

## Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape (Meets MIL Spec MIL-I-46852 & A-A-59163)

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ Self Binding / Self-Fusing / Self Amalgamating Tape -  
High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating tape. No residue when removed. Starts fusing within minutes; fully bonded within hours. Excellent cold temperature performance. Low water absorption.
- Tested to:
  - ASTM D 149; provides minimum 400 V/mil. for .010" to .030" thick tape, 300 V/mil for .040" thick tape and 250 V/mil for .060" thick tape.
  - ASTM D 412; provides minimum 700 psi tensile strength and minimum 300% elongation.
  - ASTM D 2240; Durometer (Shore A); 55. Other test data available.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852, AA59163 and ABS 5334 specifications. Certificate of Conformity available.
- Cross Reference Equivalents Available to MOX 600R and 600T levelwrap series; 602-1, 603-1, 604-1, 605-1, 606-1, 607-1. McDonnel Douglas / Boeing DMS-2186 Type I & II, McDonnell Douglas Helicopter HS5215, General Dynamics P5384, Martin Marietta MMS 517-6 Type II, McDonnell Douglas P.S. 17115, ST0130RB0078 Type I, 3003M70P01, MS70T09-S, WS1363A, Premier Farnell 810112, Safe Flight 59562-5, PLYSIL3455, TYT200-1, 66N, 67N and various NATO / National Stock Numbers (NSN).
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- Amalgamating time: Room temperature; 24 hours / at 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes. Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).



These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

Type II tapes have a center guideline stripe to assist in making 50% overwraps. The triangular profile version tape allows for minimal ridge lines, providing wire and cable splices and joints with an almost totally smooth surface (prevents snagging when splice is pulled through obstructions).

All trademarks and tradenames are property of their respective owners.

<b>FlameShield™ MIL Spec High Temperature Silicone Self Fusing Compression/Stretch Electrical Insulating Tape Meets MIL-I-46852 / A-A-59163 / ABS 5334 Specifications - Type I and Type II</b>			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Color / Type / Profile
T-SR-M013-08-RXX-20	1/2 / 12.7	0.020 / 0.508	Black or Red / I / Rectangular
T-SR-M013-08-RXX-30	1/2 / 12.7	0.030 / 0.760	Black or Red / I / Rectangular
T-SR-M016-10-RXX-20	5/8 / 15.7	0.020 / 0.508	Black or Red / I / Rectangular
T-SR-M019-12-RXX-20	3/4 / 19	0.020 / 0.508	Black or Red / I / Rectangular
T-SR-M025-16-RXX-10	1 / 25.4	0.010 / 0.250	Black or Red / I / Rectangular
T-SR-M025-16-TXX-20	1 / 25.4	0.020 / 0.508	Black or Red / II / Triangular
T-SR-M025-16-RXX-20	1 / 25.4	0.020 / 0.508	Black or Red / I / Rectangular
T-SR-M025-16-TXX-30	1 / 25.4	0.030 / 0.760	Black or Red / II / Triangular
T-SR-M025-16-RXX-30	1 / 25.4	0.030 / 0.760	Black or Red / I / Rectangular
T-SR-M025-16-TXX-40	1 / 25.4	0.040 / 1.000	Black or Red / II / Triangular
T-SR-M025-16-RXX-40	1 / 25.4	0.040 / 1.000	Black or Red / I / Rectangular
T-SR-M038-24-RXX-12	1 1/2 / 38.1	0.012 / 0.304	Black or Red / I / Rectangular
T-SR-M038-24-RXX-20	1 1/2 / 38.1	0.020 / 0.508	Black or Red / I / Rectangular
T-SR-M038-24-TXX-60	1 1/2 / 38.1	0.060 / 1.524	Black or Red / II / Triangular
T-SR-M051-32-RXX-20	2 / 50.8	0.020 / 0.508	Black or Red / I / Rectangular
T-SR-M051-32-TXX-20	2 / 50.8	0.020 / 0.508	Black or Red / II / Triangular
<b>Guideline Color on Type II Triangular Tapes Only: .020" = blue / .030" = white / .040" = green</b>			

**Please enquire for pricing on width and thickness other than those listed above.**

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- For the XX value in the part number (color code): OR = Oxide-Red, BK = Black. Other colors available.
- Certificate of Conformity: Add \$6.00 for individual roll CofC. Lot/Batch CofC \$25.00 per order line item.
- Test Report: Add \$75.00 per order line item.

Amalgamating time: Room temperature; 24 hours / at 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes. Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

Type II tapes have a center guideline stripe to assist in making 50% overwraps. The triangular profile version tape allows for minimal ridge lines, providing wire and cable splices and joints with an almost totally smooth surface (prevents snagging when splice is pulled through obstructions).

## **FlameShield™ MIL Spec Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape - Technical Data**

**Specifications for FlameShield™  
Silicone Rubber Tape (MIL-I-46852 & A-A-59163)**  
**Class 1 – Type I and Type II**

Property	Standard	Nominal Test Result or Tolerance	Test Method
Thickness: 1" wide tape  1.5" wide tape 2.0" wide tape	.010" .020" .030" .040"  .020" .020"	+/- .002"	N/A
Width	0.50", 0.75", 1.00", 1.50", 2.00"	+/- .020"	N/A
Length	36 feet / 12 yards / 10.9m	+/- 6.00"	N/A
Color	Oxide-Red or Black	N/A	N/A
Guideline Color (Type II)	.020" Tapes: Blue .030" Tapes: White .040" Tapes: Green	N/A	N/A
Operating Temperature	-60°C to +260°C -76°C to +500°F	N/A	N/A
Brittle Temperature	-65°C / -85°F	N/A	N/A
Interleave Material	.002" thick Mylar	N/A	N/A
Tensile Strength	700 psi (minimum)	1100	ASTM D412 / D119
Dielectric Strength	.020" Tape: 400 V/mm .030" Tape: 400 V/mm .040" Tape: 300 V/mm	575	ASTM D-149
Dielectric Constant		2.94 @ 1Khz	ASTM D150
Volume Resistivity	$1 \times 10^{14}$ ohms/cm <sup>3</sup>	$3 \times 10^{14}$	ASTM D149
Elongation	300% (minimum)	700	ASTM D412 / D119
Tear Strength	85 psi (minimum)	146	ASTM D624
Bond Strength (1" Width)	2 lbs (minimum)	5.5	ASTM D2148
Adhesion	Shall not unwind more than 1.0" after 3 minutes with 600g load	0.12"	ASTM D2148
Inclined Mandrel Tack Test (inch)		0.25	ASTM D2148
Water absorption (by wt)	3% Maximum	0.9%	FED-STD-601 Method 6251
Dissipation Factor		<0.0004 @ 1 KHz	ASTM D150
Hardness, durometer Shore A	55 - 65	55	ASTM D2148 / D2240
Flame Test		Pass	FAA 60 Sec Vertical

**MIL-I-46852-1I0010 / -1I0020 / -1I0030 / -1I0040**

**Class 1 - Type I**

**MIL-I-46852-1II0020 / -1II0030 / -1II0040 / -1II0060**

**Class 1 - Type II**

**Silicone Rubber Self Fusing Electrical Insulating Tape**

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ Self Binding / Self-Fusing / Self Amalgamating Tape -

High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating tape. No residue when removed. Starts fusing within minutes; fully bonded within hours. Excellent cold temperature performance. Low water absorption.
- Tested to:
  - ASTM D 149; provides minimum 400 V/mil. for .010" to .030" thick tape, 300 V/mil for .040" thick tape and 250 V/mil for .060" thick tape.
  - ASTM D 412; provides minimum 700 psi tensile strength and minimum 300% elongation.
  - ASTM D 2240; Durometer (Shore A); 55. Other test data available.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852, AA59163 and ABS 5334 specifications. Certificate of Conformity available.
- Cross Reference Equivalents Available to MOX 600R and 600T levelwrap series; 602-1, 603-1, 604-1, 605-1, 606-1, 607-1. McDonnel Douglas / Boeing DMS-2186 Type I & II, McDonnell Douglas Helicopter HS5215, General Dynamics P5384, Martin Marietta MMS 517-6 Type II, McDonnell Douglas P.S. 17115, ST0130RB0078 Type I, 3003M70P01, MS70T09-S, WS1363A, Premier Farnell 810112, Safe Flight 59562-5, PLYSIL3455, TYT200-1, 66N, 67N and various NATO / National Stock Numbers (NSN).
- Amalgamating time: Room temperature; 24 hours / at 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes. Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

Type II tapes have a center guideline stripe to assist in making 50% overwraps. The triangular profile version tape allows for minimal ridge lines, providing wire and cable splices and joints with an almost totally smooth surface (prevents snagging when splice is pulled through obstructions).

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**FlameShield™ MIL-I-46852 Specification**  
**High Temperature Silicone Self Fusing**  
**Compression/Stretch Electrical Insulating Tape**

**MIL-I-46852-1I0020 / MIL-I-46852-1II0020 / MIL-I-46852-1I0030 / MIL-I-46852-1II0030**  
**MIL-I-46852-1I0040 / MIL-I-46852-1II0040**

**Class 1 – Type I and Class 1 - Type II**

Part Number	Tape Width Inches / mm	Thickness inches / mm	Color / Type / Profile
MIL-I-46852-1I0020-RXX-0.50	1/2" / 12.7	0.020" / 0.508	Black or Red / Type I / Rectangular
MIL-I-46852-1I0030-RXX-0.50	1/2" / 12.7	0.030" / 0.760	Black or Red / Type I / Rectangular
MIL-I-46852-1I0020-RXX-0.62	5/8" / 15.7	0.020" / 0.508	Black or Red / Type I / Rectangular
MIL-I-46852-1I0020-RXX-0.75	3/4" / 19	0.020" / 0.508	Black or Red / Type I / Rectangular
MIL-I-46852-1I0010-RXX-1.00	1" / 25.4	0.010" / 0.250	Black or Red / Type I / Rectangular
MIL-I-46852-1I0020-RXX-1.00	1" / 25.4	0.020" / 0.508	Black or Red / Type I / Rectangular
MIL-I-46852-1II0020-TXX-1.00	1" / 25.4	0.020" / 0.508	Black or Red / Type II / Triangular
MIL-I-46852-1I0030-RXX-1.00	1" / 25.4	0.030" / 0.760	Black or Red / Type I / Rectangular
MIL-I-46852-1II0030-TXX-1.00	1" / 25.4	0.030" / 0.760	Black or Red / Type II / Triangular
MIL-I-46852-1I0040-RXX-1.00	1" / 25.4	0.040" / 1.000	Black or Red / Type I / Rectangular
MIL-I-46852-1II0040-TXX-1.00	1" / 25.4	0.040" / 1.000	Black or Red / Type II / Triangular
MIL-I-46852-1I0012-RXX-1.50	1 1/2" / 38.1	0.012" / 0.304	Black or Red / Type I / Rectangular
MIL-I-46852-1I0020-RXX-1.50	1 1/2" / 38.1	0.020" / 0.508	Black or Red / Type I / Rectangular
MIL-I-46852-1I0060-TXX-1.50	1 1/2" / 38.1	0.060" / 1.524	Black or Red / Type II / Triangular
MIL-I-46852-1I0020-RXX-2.00	2" / 50.8	0.020" / 0.508	Black or Red / Type I / Rectangular
MIL-I-46852-1II0020-TXX-2.00	2" / 50.8	0.020" / 0.508	Black or Red / Type II / Triangular

**Guideline Color on Type II Triangular Tapes Only: .020" = blue / .030" = white / .040" = green**

Type II edge thickness is .008" +/- .001"

**Please enquire for pricing on width and thickness other than those listed above.**

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- For the XX value (color code): OR = Oxide-Red, BK = Black. Other colors available.
- Certificate of Conformity: Add \$6.00 for individual roll CofC. Lot/Batch CofC \$25.00 per order line item.
- Test Report: Add \$75.00 per order line item.

Amalgamating time: Room temperature; 24 hours / at 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes. Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.



## FlameShield™ MIL-I-46852 Specification Silicone Rubber Self Fusing Electrical Insulating Tape - Technical Data

### Specifications for FlameShield™ Silicone Rubber Tape meeting MIL-I-46852 Class 1 – Type I and Type II

Property	Standard	Nominal Test Result or Tolerance	Test Method
Thickness: 1" wide tape	.010" .020" .030" .040"	+/- .002"	N/A
Width	0.50", 0.625", 0.75", 1.00", 1.50", 2.00"	+/- .020"	N/A
Length	36 feet / 12 yards	+/- 6.00"	N/A
Color	Oxide-Red or Black	N/A	N/A
Guideline Color (Type II)	.020" Tapes: Blue .030" Tapes: White .040" Tapes: Green	N/A	N/A
Operating Temperature	-60°C to +260°C -76°C to +500°F	N/A	N/A
Brittle Temperature	-65°C / -85°F	N/A	N/A
Interleave Material	.002" thick Mylar	N/A	N/A
Tensile Strength	700 psi (minimum)	1100	ASTM D412 / D119
Dielectric Strength	.010" tape: 400 V/mil .020" tape: 400 V/mil .030" tape: 400 V/mil .040" tape: 300 V/mil	575	ASTM D-149
Dielectric Constant		2.94 @ 1Khz	ASTM D150
Volume Resistivity	1 x 10 <sup>14</sup> ohms/cm <sup>3</sup>	3 x 10 <sup>14</sup>	ASTM D149
Elongation	300% (minimum)	700	ASTM D412 / D119
Tear Strength	85 psi (minimum)	146	ASTM D624
Bond Strength (1" Width)	2 lbs (minimum)	5.5	ASTM D2148
Adhesion	Shall not unwind more than 1.0" after 3 minutes with 600g load	0.12"	ASTM D2148
Inclined Mandrel Tack Test (inch)		0.25	ASTM D2148
Water absorption (by wt)	3% Maximum	0.9%	FED-STD-601 Method 6251
Dissipation Factor		<0.0004 @ 1 KHz	ASTM D150
Hardness, durometer Shore A	55 - 65	55	ASTM D2148 / D2240
Flame Test		Pass	FAA 60 Sec Vertical

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**AA59163-1I0010 / AA59163-1I0020 / AA59163-1I0030 / AA59163-1I0040**

**Class 1 - Type I**

**AA59163-1II0020 / AA59163-1II0030 / AA59163-1II0040 / AA59163-1II0060**

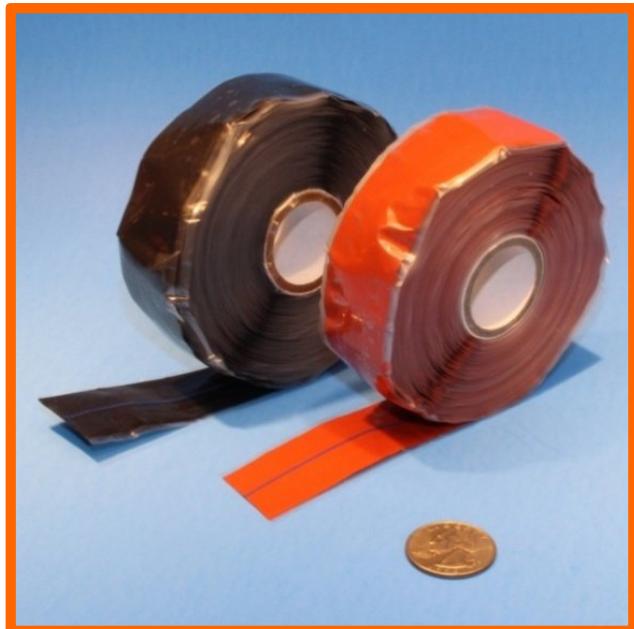
**Class 1 - Type II**

## **Silicone Rubber Self Fusing Electrical Insulating Tape**

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ Self Binding / Self-Fusing / Self Amalgamating Tape -

High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating tape. No residue when removed. Starts fusing within minutes; fully bonded within hours. Excellent cold temperature performance. Low water absorption.
- Tested to:
  - ASTM D 149; provides minimum 400 V/mil. for .010" to .030" thick tape, 300 V/mil for .040" thick tape and 250 V/mil for .060" thick tape.
  - ASTM D 412; provides minimum 700 psi tensile strength and minimum 300% elongation.
  - ASTM D 2240; Durometer (Shore A); 55. Other test data available.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852, AA59163 and ABS 5334 specifications. Certificate of Conformity available.
- Cross Reference Equivalents Available to MOX 600R and 600T levelwrap series; 602-1, 603-1, 604-1, 605-1, 606-1, 607-1. McDonnel Douglas / Boeing DMS-2186 Type I & II, McDonnell Douglas Helicopter HS5215, General Dynamics P5384, Martin Marietta MMS 517-6 Type II, McDonnell Douglas P.S. 17115, ST0130RB0078 Type I, 3003M70P01, MS70T09-S, WS1363A, Premier Farnell 810112, Safe Flight 59562-5, PLYSIL3455, TYT200-1, 66N, 67N and various NATO / National Stock Numbers (NSN).
- Amalgamating time: Room temperature; 24 hours / at 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes. Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

Type II tapes have a center guideline stripe to assist in making 50% overwraps. The triangular profile version tape allows for minimal ridge lines, providing wire and cable splices and joints with an almost totally smooth surface (prevents snagging when splice is pulled through obstructions).

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**FlameShield™ CID AA-59163 Specification**  
**High Temperature Silicone Self Fusing**  
**Compression/Stretch Electrical Insulating Tape**

**AA59163-1I0020 / AA59163-1II0020 / AA59163-1I0030 / AA59163-1II0030**  
**AA59163-1I0040 / AA59163-1II0040**

**Class 1 – Type I and Class 1 - Type II**

Part Number	Tape Width Inches / mm	Thickness inches / mm	Color / Type / Profile
AA59163-1I0020-RXX-0.50	1/2" / 12.7	0.020" / 0.508	Black or Red / Type I / Rectangular
AA59163-1I0030-RXX-0.50	1/2" / 12.7	0.030" / 0.760	Black or Red / Type I / Rectangular
AA59163-1I0020-RXX-0.62	5/8" / 15.7	0.020" / 0.508	Black or Red / Type I / Rectangular
AA59163-1I0020-RXX-0.75	3/4" / 19	0.020" / 0.508	Black or Red / Type I / Rectangular
AA59163-1I0010-RXX-1.00	1" / 25.4	0.010" / 0.250	Black or Red / Type I / Rectangular
AA59163-1I0020-RXX-1.00	1" / 25.4	0.020" / 0.508	Black or Red / Type I / Rectangular
AA59163-1II0020-TXX-1.00	1" / 25.4	0.020" / 0.508	Black or Red / Type II / Triangular
AA59163-1I0030-RXX-1.00	1" / 25.4	0.030" / 0.760	Black or Red / Type I / Rectangular
AA59163-1II0030-TXX-1.00	1" / 25.4	0.030" / 0.760	Black or Red / Type II / Triangular
AA59163-1I0040-RXX-1.00	1" / 25.4	0.040" / 1.000	Black or Red / Type I / Rectangular
AA59163-1II0040-TXX-1.00	1" / 25.4	0.040" / 1.00	Black or Red / Type II / Triangular
AA59163-1I0012-RXX-1.50	1 1/2" / 38.1	0.012" / 0.304	Black or Red / Type I / Rectangular
AA59163-1I0020-RXX-1.50	1 1/2" / 38.1	0.020" / 0.508	Black or Red / Type I / Rectangular
AA59163-1II0060-TXX-1.50	1 1/2" / 38.1	0.060" / 1.524	Black or Red / Type II / Triangular
AA59163-1I0020-RXX-2.00	2" / 50.8	0.020" / 0.508	Black or Red / Type I / Rectangular
AA59163-1II0020-TXX-2.00	2" / 50.8	0.020" / 0.508	Black or Red / Type II / Triangular

**Guideline Color on Type II Triangular Tapes Only:** .020" = blue / .030" = white / .040" = green  
 Type II edge thickness is .008" +/- .001"

**Please enquire for pricing on widths and thicknesses other than those listed above.**

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- For the XX value (color code): OR = Oxide-Red, BK = Black. Other colors available.
- Certificate of Conformity: Add \$6.00 for individual roll CofC. Lot/Batch CofC \$25.00 per order line item.
- Test Report: Add \$75.00 per order line item.

Amalgamating time: Room temperature; 24 hours / at 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes. Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

## **FlameShield™ CID A-A-59163 Specification Silicone Rubber Self Fusing Electrical Insulating Tape - Technical Data**

<b>Specifications for FlameShield™ Silicone Rubber Tape (MIL-I-46852 &amp; A-A-59163)</b>			
<b>Class 1 – Type I and Type II</b>			
<b>Property</b>	<b>Standard</b>	<b>Nominal Test Result or Tolerance</b>	<b>Test Method</b>
Thickness: 1" wide tape	.010" .020" .030" .040"	+/- .002"	N/A
Width	0.50", 0.625", 0.75", 1.00", 1.50", 2.00"	+/- .020"	N/A
Length	36 feet / 12 yards	+/- 6.00"	N/A
Color	Oxide-Red or Black	N/A	N/A
Guideline Color (Type II)	.020" Tapes: Blue .030" Tapes: White .040" Tapes: Green	N/A	N/A
Operating Temperature	-60°C to +260°C -76°C to +500°F	N/A	N/A
Brittle Temperature	-65°C / -85°F	N/A	N/A
Interleave Material	.002" thick Mylar	N/A	N/A
Tensile Strength	700 psi (minimum)	1100	ASTM D412 / D119
Dielectric Strength	.010" tape: 400 V/mil .020" tape: 400 V/mil .030" tape: 400 V/mil .040" tape: 300 V/mil	575	ASTM D-149
Dielectric Constant		2.94 @ 1Khz	ASTM D150
Volume Resistivity	1 x 10 <sup>14</sup> ohms/cm <sup>3</sup>	3 x 10 <sup>14</sup>	ASTM D149
Elongation	300% (minimum)	700	ASTM D412 / D119
Tear Strength	85 psi (minimum)	146	ASTM D624
Bond Strength (1" Width)	2 lbs (minimum)	5.5	ASTM D2148
Adhesion	Shall not unwind more than 1.0" after 3 minutes with 600g load	0.12"	ASTM D2148
Inclined Mandrel Tack Test (inch)		0.25	ASTM D2148
Water absorption (by wt)	3% Maximum	0.9%	FED-STD-601 Method 6251
Dissipation Factor		<0.0004 @ 1 KHz	ASTM D150
Hardness, durometer Shore A	55 - 65	55	ASTM D2148 / D2240
Flame Test		Pass	FAA 60 Sec Vertical

**AA59163-1I0010 / AA59163-1I0020 / AA59163-1II0020 / AA59163-1I0030**

**AA59163-1II0030 / AA59163-1I0040 / AA59163-1II0040**

**Class 2 - Type IM and Class2 - Type IIM**

**Silicone Rubber Self Fusing Electrical Insulating Tape**

**Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C**

**FlameShield™ Self Binding / Self-Fusing / Self Amalgamating Tape -**

**High Temperature, Heat & Flame Resistant**



- Self-bonds / self fuses / self amalgamating tape. No residue when removed. Starts fusing within minutes; fully bonded within hours. Excellent cold temperature performance. Low water absorption.
- Tested to:
  - ASTM D 149; provides minimum 400 V/mil. for 0.250mm to 0.750mm thick tape, 300 V/mil for 1.000mm thick tape.
  - ASTM D 412; provides minimum 4800 kPa tensile strength and minimum 300% elongation.
  - ASTM D 2240; Durometer (Shore A); 55. Other test data available.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852, AA59163 and ABS 5334 specifications. Certificate of Conformity available.
- Cross Reference Equivalents Available to MOX 600R and 600T levelwrap series; 602-1, 603-1, 604-1, 605-1, 606-1, 607-1. McDonnel Douglas / Boeing DMS-2186 Type I & II, McDonnell Douglas Helicopter HS5215, General Dynamics P5384, Martin Marietta MMS 517-6 Type II, McDonnell Douglas P.S. 17115, ST0130RB0078 Type I, 3003M70P01, MS70T09-S, WS1363A, Premier Farnell 810112, Safe Flight 59562-5, PLYSIL3455, TYT200-1, 66N, 67N and various NATO / National Stock Numbers (NSN).
- Amalgamating time: Room temperature; 24 hours / at 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes. Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

Type II tapes have a center guideline stripe to assist in making 50% overwraps. The triangular profile version tape allows for minimal ridge lines, providing wire and cable splices and joints with an almost totally smooth surface (prevents snagging when splice is pulled through obstructions).

All trademarks and tradenames are property of their respective owners.

**FlameShield™ CID AA-59163 Specification**  
**High Temperature Silicone Self Fusing**  
**Compression/Stretch Electrical Insulating Tape**

**AA59163-1I0020 / AA59163-1II0020 / AA59163-1I0030 / AA59163-1II0030**  
**AA59163-1I0040 / AA59163-1II0040**

**Class 2 – Type IM and Class 2 - Type IIM**

Part Number	Tape Width mm	Thickness mm	Color / Type / Profile
AA59163-2IM0500-RXX-13	13	0.500	Black or Red / Type IM / Rectangular
AA59163-2IM0750-RXX-13	13	0.750	Black or Red / Type IM / Rectangular
AA59163-2IM0500-RXX-15	15	0.500	Black or Red / Type IM / Rectangular
AA59163-2IM0500-RXX-20	20	0.500	Black or Red / Type IM / Rectangular
AA59163-2IM0250-RXX-25	25	0.250	Black or Red / Type IM / Rectangular
AA59163-2IIM0500-TXX-25	25	0.500	Black or Red / Type IIM / Triangular
AA59163-2IM0500-RXX-25	25	0.500	Black or Red / Type IM / Rectangular
AA59163-2IIM1000-TXX-25	25	1.000	Black or Red / Type IIM / Triangular
AA59163-2IM1000-RXX-25	25	1.000	Black or Red / Type IM / Rectangular
AA59163-2IM0500-RXX-38	38	0.500	Black or Red / Type IM / Rectangular
AA59163-2IM0300-RXX-38	38	0.300	Black or Red / Type IM / Rectangular
AA59163-2IM0500-RXX-50	50	0.500	Black or Red / Type IM / Rectangular
AA59163-2IIM0500-TXX-50	50	0.500	Black or Red / Type IIM / Triangular

**Guideline Color on Type IIM Triangular Tapes Only:** .500mm = blue / .750mm = white / 1.000mm = green

Type IIM edge thickness is 0.215mm +/- 0.015mm

**Please enquire for pricing on widths and thicknesses other than those listed above.**

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- For the XX value (color code): OR = Oxide-Red, BK = Black. Other colors available.
- Certificate of Conformity: Add \$6.00 for individual roll CofC. Lot/Batch CofC \$25.00 per order line item.
- Test Report: Add \$75.00 per order line item.

Amalgamating time: Room temperature; 24 hours / at 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes. Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

## **FlameShield™ CID AA-59163 Specification Silicone Rubber Self Fusing Electrical Insulating Tape - Technical Data**

<b>Specifications for FlameShield™ Silicone Rubber Tape (MIL-I-46852 &amp; A-A-59163) Class 2 – Type IM and Type IIM</b>			
<b>Property</b>	<b>Standard</b>	<b>Nominal Test Result or Tolerance</b>	<b>Test Method</b>
Thickness: 1" wide tape	0.250mm 0.500mm 0.750mm 1.000mm	+/- .002"	N/A
Width	13mm, 19mm, 25mm, 38mm, 50mm	+/- .020"	N/A
Length	10.9m	+/- 120mm	N/A
Color	Oxide-Red or Black	N/A	N/A
Guideline Color (Type II)	0.500mm Tapes: Blue 0.750mm Tapes: White 1.000mm Tapes: Green	N/A	N/A
Operating Temperature	-60°C to +260°C -76°C to +500°F	N/A	N/A
Brittle Temperature	-65°C / -85°F	N/A	N/A
Interleave Material	.002" thick Mylar	N/A	N/A
Tensile Strength	4800 kPa (minimum)	7400	ASTM D412 / D119
Dielectric Strength	0.250mm tape: 400 V/mil 0.500mm tape: 400 V/mil 0.750mm tape: 400 V/mil 1.000mm tape: 300 V/mil	575	ASTM D-149
Dielectric Constant		2.94 @ 1Khz	ASTM D150
Volume Resistivity	1.7 x 10 <sup>14</sup> nano-ohm metre	3 x 10 <sup>14</sup>	ASTM D149
Elongation	300% (minimum)	700	ASTM D412 / D119
Tear Strength	85 psi (minimum)	146	ASTM D624
Bond Strength (25mm Width)	0.9 kilogram-force	2.6	ASTM D2148
Adhesion	Shall not unwind more than 1.0" after 3 minutes with 600g load	0.12"	ASTM D2148
Inclined Mandrel Tack Test (inch)		0.25	ASTM D2148
Water absorption (by wt)	3% Maximum	0.9%	FED-STD-601 Method 6251
Dissipation Factor		<0.0004 @ 1 KHz	ASTM D150
Hardness, durometer Shore A	55 - 65	55	ASTM D2148 / D2240
Flame Test		Pass	FAA 60 Sec Vertical

## MIL-I-22444C Silicone Rubber Supported/Reinforced Self Fusing Limited Stretch Electrical Insulation Tape - Cable Splicing

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ Meets MIL-I-22444 and ASNA 5107 Specifications

*Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant*



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather and cryogenic performance.
- Excellent for sealing ends of firesleeve: protects sleeve from contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Secures insulation to hot air ducting.
- Meets Mil-i-22444C and other OEM specifications.
- Sinusoidal Fiberglass Reinforced with either 15% maximum stretch (SB15) or 25% maximum stretch (SA25) until failure of the reinforcement web.
- The embedded sinusoidal fiberglass layer provides limited stretch of the tape during installation, ensuring that a consistent minimum thickness is achieved during installation opposed to a variable thickness that occurs when manually adding tension to the tape during human applied scenarios. Machine applied tape tends to be much more uniform in thickness due to the automated tensioning measurement feedback in the application machinery.
- Supported/reinforced tape also prevents tape creep and fracturing when the tape is clamped with excessive force with either a connector back-shell, or installation clamp on a hydraulic fitting. The tape tends to remain in place and without layer fracturing compared to non supported/reinforced versions of the tape (MIL-I-46852 and A-A-59163 versions).
- Specified for cable splicing by the US Navy.
- Used as a compression protection tape under wiring connector back-shell clamping collars.
- CofC available.

The above picture of the clear version of the tape shows the fiberglass reinforcement layer. Tape is normally ordered in Oxide-Red or Black Color; other colors available including clear.

- Equivalent to MOX SA and MOX SB series tapes SB01020, SB00520, SB01015, SB01050 & SA00520, SA01020, SA03030, SA01015; DMS-2186 Type I, EMD/EMS 2074; General Dynamics P5189 & 5-00857; General Electric A50A493-C/D & A50E112; Grumman GT353V; RMS315 Type I; Simmonds 151274 (black); IBM 6084744; RL6000SA; RL6000SB; 68N, 69N, 78N, 79N; NSN 5970-01-325-8971; NSN 5970-00-841-1172; NSN 5970-14-464-7312; NSN 5970-01-596-7929

## MIL-I-22444C Silicone Rubber Supported/Reinforced Self Fusing Limited Stretch Electrical Insulation Tape - Cable Splicing (Continued)

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ Meets MIL-I-22444 and ASNA 5107 Specifications

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- "S25" tape is 25% limited elongation
- "S15" tape is 15% limited elongation
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ MIL Spec High Temperature Silicone Self Fusing Compression/Stretch Tape Meets MIL-I-22444 Type I			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
MIL-I-22444-S25-M013-08-RXX-20	1/2 / 13	0.020 / 0.5	I / Rectangular
MIL-I-22444-S15-M013-08-RXX-20	1/2 / 13	0.020 / 0.5	I / Rectangular
MIL-I-22444-5970-00-446-8928-ROR*	1/2 / 13	0.020 / 0.5	I / Rectangular
MIL-I-22444-69N-RBK	3/4 / 19	0.020 / 0.5	I / Rectangular
MIL-I-22444-78N-ROR	1 / 25	0.020 / 0.5	I / Rectangular
MIL-I-22444-79N-RBK	1 / 25	0.020 / 0.5	I / Rectangular
MIL-I-22444-S25-M025-16-RXX-20	1 / 25	0.020 / 0.5	I / Rectangular
MIL-I-22444-S15-M025-16-RXX-20	1 / 25	0.020 / 0.5	I / Rectangular
MIL-I-22444-S25-M025-16-RXX-40	1 / 25	0.040 / 1.0	I / Rectangular

\*5970-00-446-8928 was originally specified at 0.018" thick but is no longer produced in that thickness. Replacement is MIL-I-22444-5970-00-446-8928-OR and is 0.020" thick.

Please enquire for pricing on sizes other than those listed above.

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres. \* roll length 60 feet / 20 yards
- For the XX value (color code): OR = Oxide-Red, BK = Black. Clear & other colors available.
- Certificate of Conformity: Add \$6.00 for individual roll CofC. Lot/Batch CofC \$25.00 per order line item.
- Test Report: Add \$150.00 per order line item.

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

**FlameShield™ MIL-I-22444C Specifications and Nominal Test Data**  
**Reinforced Supported Silicone Rubber Self Fusing**  
**Electrical Insulating Tape**

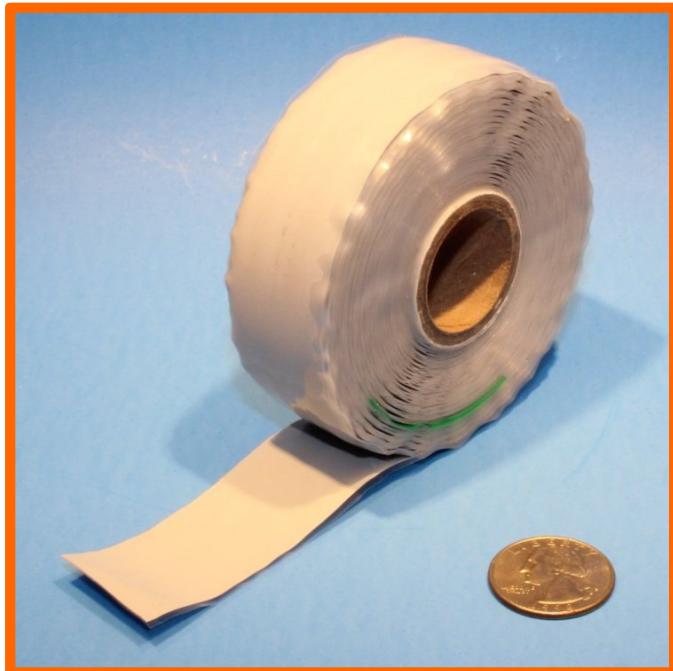
<b>Specifications and Nominal Test Results for FlameShield™ Reinforced Supported Silicone Rubber Tape meeting MIL-I-22444C</b>			
<b>Property</b>	<b>Standard</b>	<b>Nominal Test Result or Tolerance</b>	<b>Test Method</b>
Substrate	15% or 25% sinusoidal fiberglass	N/A	N/A
Thickness: 1" wide tape	.020" .030" .040"	+/- .002"	N/A
Width	0.50", 0.75", 1.00", 1.50"	+/- .020"	N/A
Length *	36 feet / 12 yards or 60 feet / 20 yards	+/- 6.00"	N/A
Color **		N/A	N/A
Operating Temperature	-60°C to +260°C -76°C to +500°F	N/A	N/A
Brittle Temperature	-65°C / -85°F	N/A	N/A
Interleave Material	.002" thick Mylar	N/A	N/A
Tensile Strength psi		4450	ASTM D412
Dielectric Strength	500 V/mil	611	ASTM D-149
Dielectric Constant		2.94 @ 1Khz	ASTM D150
Volume Resistivity	1 x 10 <sup>13</sup> ohms/cm <sup>3</sup>	3 x 10 <sup>14</sup>	ASTM D149
Ultimate Elongation 25% substrate 15% substrate		31 20	ASTM D412
Bond Strength (lbf/in)	Averaged	6.2	Per MIL-I-22444C
Water absorption (by wt)		1.1 to 1.6 %	FED-STD-601 Method 6251
Dissipation Factor		<0.0004 @ 1 Khz	ASTM D150
Hardness, durometer Shore A	50 - 55	52	ASTM D2148 / D2240
Specific Gravity		1.20	ABQA-TMS-011
Flame Test		Pass	FAA 60 Sec Vertical

- \* Custom lengths available
- \*\* Standard production is Black or Oxide-red - Custom colors or clear available

## 20 PLYSIL® (3455) Equivalent Silicone Rubber Tape

### Silicone Rubber Self Adhering Electrical Insulating Tape – Meets MIL-I-46852A

356°F / 180°C: Self Binding / Self-Fusing / Self Amalgamating Tape -  
High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating tape. No residue when removed. Starts fusing within minutes; fully bonded within hours. Excellent cold temperature performance. Low water absorption.
- Tested to:
  - ASTM D 149; provides minimum 400 V/mil.
  - ASTM D 412; provides minimum 700 psi tensile strength and minimum 300% elongation.
  - ASTM D 2240; Durometer (Shore A); 55. Other test data available.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Primary insulation for applications up to 180°C / 356°F.
- Meets Mil-I-46852 specifications. Certificate of Conformity available.
- 24 month shelf life from DOM.
- Amalgamating time: Room temperature; 24 hours / at 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).
- Type II triangular profile.

#### 20 PLYSIL® 3455 Equivalent Silicone Rubber Tape High Temperature Silicone Rubber Self Fusing Electrical Tape

Part Number	Tape Width	Tape Thickness
T-SR-20-3455	1"	.020"

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres

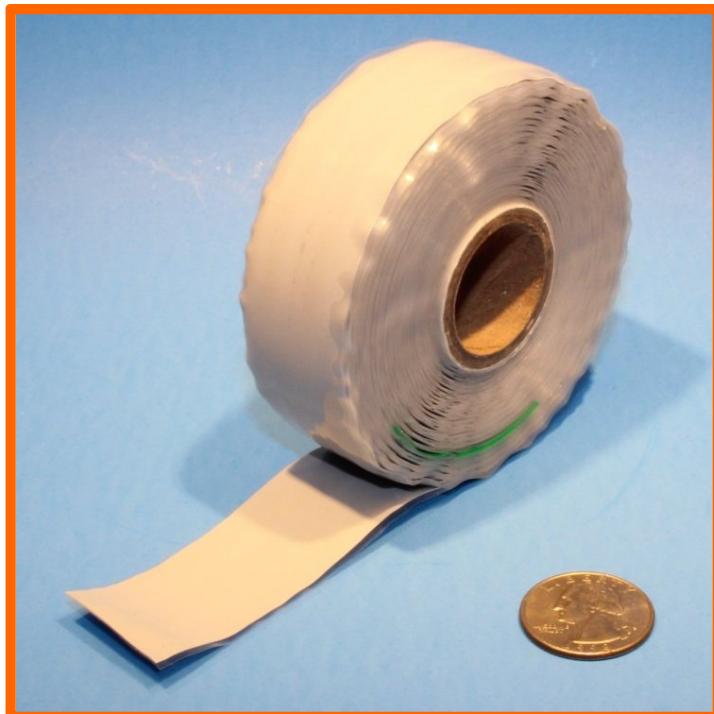
PLYSIL® is a registered trademark of Plymouth Rubber Europa S.A.

## 3M™ Scotch® 70 & 70HDT Equivalent Silicone Rubber Electrical Tape

Maximum operating temperature 356°F / 180°C

FlameShield™ Meets A-A-59163 Specifications

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets A-A-59163 specifications. CofC available.
- Arc and Track Resistant.
- RoHS compliant.
- Roll length is 30 feet.
- Available as NSN 5970-01-592-3238 & 5970-01-276-5277
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

### FlameShield™ High Temperature Silicone Self Fusing Compression/Stretch Tape

Equivalent to 3M™ Scotch® 70 & 70HDT

Meets A-A-59163 Specifications

Part Number	Tape Width Inches / mm	Thickness inches / mm	Profile	Color
T-SR-3M70	1 / 25	0.012 / 0.30	Rectangular	Blue-Grey
T-SR-3M70HDT	1 / 25	0.020 / 0.51	Triangular	Blue-Grey

Quantity discounts available – 24 rolls per case

Please enquire for pricing on sizes other than those listed above.

This tape can be made in thicknesses from 0.010" to 0.080" and in various widths.

- Add \$6.00 for individual roll CofC. Lot/Batch CofC \$10.00 per order line item

3M70: 3M ID 80611438617 UPC# 00051128572610

3M70HDT: 3M ID 80611438625 UPC# 00051128572627

Triangular tapes have a center guideline stripe to assist in making 50% overwraps. The triangular profile version tape allows for minimal ridge lines, providing splices and joints with an almost totally smooth surface (prevents snagging when splice pulled through obstructions).

Scotch® is a registered trademark of the 3M company

## 66N / 67N / 69N / 78N / 79N Equivalent Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C  
FlameShield™ Meets MIL-I-46852 / A-A-59163 / MIL-I-22444 & Many Other OEM Specifications

*Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant*



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold temperature performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Secures insulation to hot air ducting.
- Unsupported tape meets Mil-I-46852, AA59163 and many other specifications. Supported tape meets MIL-I-22444 and many other specifications.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

- T-SR-66N-5970-14-467-8824 meets NATO/NSN 5970-14-467-8824 and ABS 5334 specification. Oxide-Red / Red-Brown Color. T-SR-67N-5970-14-474-7041 meets NATO/NSN 5970-14-474-7041 and ABS 5334 specification. Black Color. T-SR-SB15-68N-5970-14-464-7312 meets NATO/NSN 5970-14-464-7312 and ASNA 5107 specification. Oxide-Red / Red-Brown Color.

FlameShield™ 66N / 67N / 68N / 69N / 78N / 79N Silicone Rubber Self Fusing Electrical Insulation Tape		
Part Number	Tape Width Inches / mm	Tape Thickness inches / mm
<b>Unsupported Tape – No Fiberglass Substrate – 300% to 500% Elongation</b>		
T-SR-66N-5970-14-467-8824-OR	0.75 / 19	0.012 / 0.30
T-SR-67N-5970-14-474-7041-BK	0.75 / 19	0.020 / 0.51
<b>Supported Tape – With Fiberglass Substrate – 15% Maximum Elongation</b>		
T-SR-SB15-69N-BK	0.75 / 19	0.020 / 0.51
T-SR-SB15-78N-OR	1.00 / 25	0.020 / 0.51
T-SR-SB15-79N-BK	1.00 / 25	0.020 / 0.51

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

## ABS 5334A01B & ABS 5334A02R Airbus Standard Silicone Rubber Self Fusing / Self Amalgamating Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

**Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant**



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold temperature performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Secures insulation to hot air ducting.
- Unsupported tape meets Mil-I-46852, A-A-59163 specifications.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

### FlameShield™ ABS 5334A01B & ABS 5334A02R Airbus Standard Silicone Rubber Self Fusing Electrical Insulation Tape

Part Number	Tape Width Inches / mm	Tape Thickness inches / mm
T-SR-ABS5334A02R-66N-ROR	0.75 / 19	0.012 / 0.30
T-SR-ABS5334A01B-67N-RBK	0.75 / 19	0.020 / 0.51

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

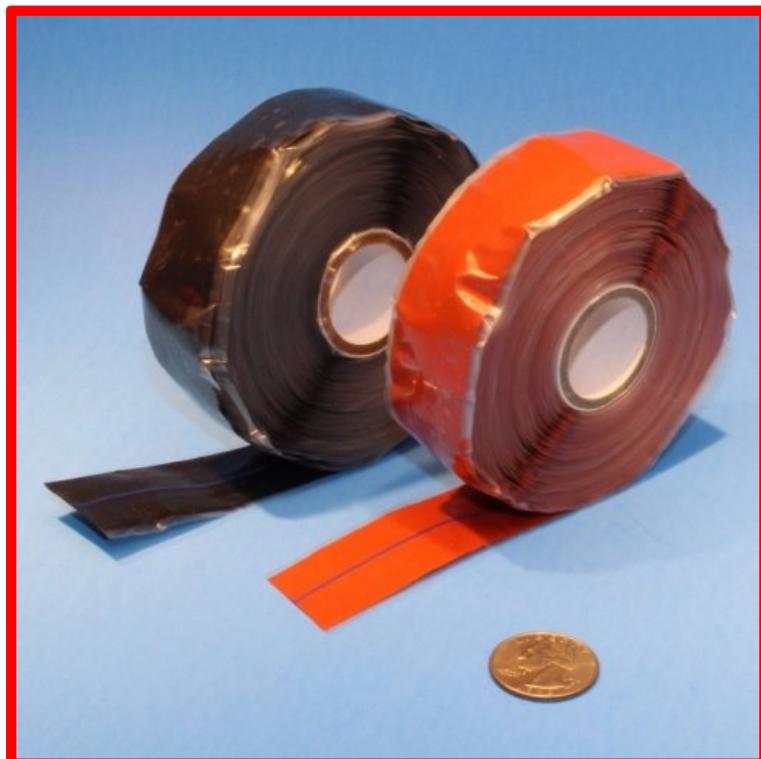
Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

## Amphenol Connector Backshell Strain Relief Isolation Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

### FlameShield™ Silicone Rubber Isolation Tape

High Temperature, Heat & Flame Resistant



- Available as Type I unsupported (rectangular end profile), Type II unsupported (triangular end profile). Both Types meeting Mil-I-46852 / AA59163 specifications.
- Also available as supported meeting Mil-I-22444 (rectangular end profile).
- Suitable for all Amphenol round and flat backshell strain relief clamps.
- Equivalent to Garmin 249-00114-00 tape for aviation use.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape. Used to protect wiring at the backshell clamp from clamping damage. Also provides equalization of strain relief.
- Used to build up the diameter of the wire bundle so that the cable clamp on the backshell will hold the wires in situations where too few wires would have resulted in the clamp not contacting the wires, resulting in strain on the connector's internal pins.
- Available as Class 1 Type I and Type II or Class 2 tape Type I and Type II. (Class 1 is inch-pound specification, Class 2 is millimetre-kg specification)
- Available in Oxide-Red and Black.
- Standard tape thickness includes .020", .030" and .040".
- Standard widths include 0.500", 0.625", 0.750", 1.000", 1.500", 2.000".
- C of C available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

Type I unsupported tape is rectangular in end profile view. It is preferred for making custom bushings, vibration dampeners, etc. Type II unsupported tape is triangular in end profile view. It is particularly suitable for wrapping splices, wiring bundles and cables as it forms a smoother surface and minimizes snagging if pulling wiring through bundles. Type I and Type II meet MIL-I-46852 and AA-59163 specifications. Unsupported tape means that there is no fiberglass interweave layer inside the tape, which is used to limit the ultimate elongation of the tape when it is stretched during installation.

The supported version of the tape is rectangular in end profile view (it looks like Type I tape), and includes a fiberglass reinforcement layer to limit the amount of stretch (elongation) that the tape can undergo (which limits how thin the tape results in being after stretching), prevents migration of the silicone under high clamping forces or around high angle bends or sharp corners. Supported tapes meet MIL-I-22444 specification.

MIL-I-46852 and AA-59163 specifications are very similar to MIL-I-22444 specifications, with the exception of the elongation values - which are lower in tapes meeting MIL-I-22444 due to the fiberglass supporting layer.

**Amphenol Connector Backshell Strain Relief Isolation Tape/Bushing**  
**500°F / 260°C: FlameShield™ Silicone Rubber Isolation Tape**  
**High Temperature, Heat & Flame Resistant**



**Amphenol Connector Backshell Strain Relief Isolation Tape**

**Meets MIL-I-46852 / A-A-59163 / ABS 5334 Specifications - Type I and Type II Version**  
**MIL-I-22444 Supported Version**

Part Number	Tape Width Inches / mm	Thickness inches / mm	Color / Type / Profile
<b>Unsupported MIL-I-46852 / AA-59163 Type I and Type II tapes below</b>			
T-SR-AMPHENOL-08-RXX-20	1/2 / 12.7	0.020 / 0.508	Black or Oxide-red / I / Rectangular
T-SR-AMPHENOL-08-RXX-30	1/2 / 12.7	0.030 / 0.760	Black or Oxide-red / I / Rectangular
T-SR-AMPHENOL-10-RXX-20	5/8 / 15.7	0.020 / 0.508	Black or Oxide-red / I / Rectangular
T-SR-AMPHENOL-12-RXX-20	3/4 / 19	0.020 / 0.508	Black or Oxide-red / I / Rectangular
T-SR-AMPHENOL-16-RXX-10	1 / 25.4	0.010 / 0.254	Black or Oxide-red / I / Rectangular
T-SR-AMPHENOL-16-TXX-20	1 / 25.4	0.020 / 0.508	Black or Oxide-red / II / Triangular
T-SR-AMPHENOL-16-RXX-20	1 / 25.4	0.020 / 0.508	Black or Oxide-red / I / Rectangular
T-SR-AMPHENOL-16-TXX-40	1 / 25.4	0.040 / 1.000	Black or Oxide-red / II / Triangular
T-SR-AMPHENOL-16-RXX-40	1 / 25.4	0.040 / 1.000	Black or Oxide-red / I / Rectangular
T-SR-AMPHENOL-24-RXX-20	1 1/2 / 38.1	0.020 / 0.508	Black or Oxide-red / I / Rectangular
T-SR-AMPHENOL-24-RXX-12	1 1/2 / 38.1	0.012 / 0.304	Black or Oxide-red / I / Rectangular
On the above tapes that are Type II, the guideline color is: blue on .020" thick tapes / white on .030" thick tapes / green on .040" thick tapes			
<b>Supported MIL-I-22444 tapes below</b>			
T-SR-AMPHENOL-16-S25XX-20	1 / 25.4	0.020 / 0.508	Black or Oxide-red
T-SR-AMPHENOL-16-S25XX-40	1 / 25.4	0.040 / 1.01	Black or Oxide-red

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- For the X value (color code): OR = Oxide-Red, BK = Black

## ARMET® GUIDELINE® Simrit® – Freudenberg-NOK Equivalent Silicone Tape – Type I & Type II

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

MIL Spec Silicone Rubber Self Fusing Electrical Insulating Tape

Meets MIL-I-46852 / A-A-59163 & Many Other Proprietary Specifications

*Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant*



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and A-A-59163 specifications. CofC available.
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available. For the XX value (color code): OR = Oxide-Red, BK = Black. For the "Z" Value: Substitute "CT" for Certified Tape or "NC" for Not Certified. Add \$6.00 for individual roll CofC. Lot/Batch CofC \$10.00 per order line item.

ARMET® GUIDELINE® Simrit® Equivalent Silicone Tapes			
Meets MIL-I-46852 / A-A-59163 Specifications Type I & Type II			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
<b>Mil-I-46852 / AA59163 Tapes: Type I</b>			
T-SR-ARMET-SIMRIT-50039-RXX	1/2 / 13	0.030 / 0.76	I / Rectangular
T-SR-ARMET-SIMRIT-57063-RXX	3/4 / 19	0.015 / 0.38	I / Rectangular
T-SR-ARMET-SIMRIT-56756-RXX	1 / 25	0.012 / 0.30	I / Rectangular
T-SR-ARMET-SIMRIT-57090-RXX	1 / 25	0.015 / 0.38	I / Rectangular
T-SR-ARMET-SIMRIT-57161-RXX	1 / 25	0.020 / 0.51	I / Rectangular
T-SR-ARMET-SIMRIT-57806-RXX	1 / 25	0.030 / 0.76	I / Rectangular
T-SR-ARMET-SIMRIT-50022-RXX	1 1/4 / 32	0.020 / 0.51	I / Rectangular
T-SR-ARMET-SIMRIT-50005-RXX	1 1/2 / 38	0.020 / 0.51	I / Rectangular
T-SR-ARMET-SIMRIT-50006-RXX	2 / 51	0.020 / 0.51	I / Rectangular
<b>Mil-I-46852 / AA59163 Tapes: Type II</b>			
T-SR-ARMET-SIMRIT-50014-TXX	1 / 25	0.020 / 0.51	II / Triangular
T-SR-ARMET-SIMRIT-50215-TXX	1 / 25	0.030 / 0.76	II / Triangular
T-SR-ARMET-SIMRIT-50361-TXX	1 / 25	0.040 / 1.01	II / Triangular
T-SR-ARMET-SIMRIT-53304-TXX	1 1/4 / 32	0.040 / 1.01	II / Triangular
T-SR-ARMET-SIMRIT-50573-TXX	1 1/4 / 32	0.050 / 1.27	II / Triangular
T-SR-ARMET-SIMRIT-56517-TXX	1 1/2 / 38	0.050 / 1.27	II / Triangular
T-SR-ARMET-SIMRIT-56265-TXX	1 1/2 / 38	0.060 / 1.52	II / Triangular

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

Simrit® is a registered trademark of Freudenberg NOK

## ASNA 5107-2501, 5107-2502, 5107-2503 Airbus Standard Silicone

### Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Meets MIL-I-22444C Specifications

**Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant**



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold temperature performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Secures insulation to hot air ducting.
- CofC available.
- Rolls are 12 yards for 0.50" and 0.75" wide tapes and 12 or 20 yards long for the 1.00" wide tape.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

### ASNA 5107 Airbus Standard Equivalent Silicone Rubber Self Fusing Electrical Insulating Tape

Part Number	Tape Width Inches / mm	Tape Thickness inches / mm
<b>Supported Tape – With Fiberglass Substrate – 25% Maximum Elongation</b>		
T-SR- ASNA5107-2501-12Y-08-XX (12 yard roll)	0.50 / 13	0.020 / 0.51
T-SR- ASNA5107-2502-12Y-12-XX (12 yard roll)	0.75 / 19	0.020 / 0.51
T-SR- ASNA5107-2503-12Y-16-XX (12 yard roll)	1.00 / 25	0.020 / 0.51
T-SR- ASNA5107-2503-20Y-16-XX (20 yard roll)	1.00 / 25	0.020 / 0.51

- For the XX value (color code): OR = Oxide-Red, BK = Black
- 12Y/20Y in part number: 12Y = 12 yard roll length. 20Y = 20 yard roll length

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

## Cessna P840154 Equivalent Guideline Tape

### Silicone Rubber Self Adhering Electrical Insulating Tape – Meets A-A-59163

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

**Self Binding / Self-Fusing / Self Amalgamating Tape -**

**High Temperature, Heat & Flame Resistant**



- Self-bonds / self fuses / self amalgamating tape. No residue when removed. Starts fusing within minutes; fully bonded within hours. Excellent cold temperature performance. Low water absorption.
- Tested to:
  - ASTM D 149; provides minimum 400 V/mil. for .010" to .030" thick tape, 300 V/mil for .040" thick tape and 250 V/mil for .060" thick tape.
  - ASTM D 412; provides minimum 700 psi tensile strength and minimum 300% elongation.
  - ASTM D 2240; Durometer (Shore A); 55. Other test data available.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852, AA59163 specifications. Certificate of Conformity available.
- 24 month shelf life from DOM.
- Amalgamating time: Room temperature; 24 hours / at 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes. Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

#### Cessna P840154 Guideline Tape High Temperature Silicone Rubber Self Fusing Electrical Tape

Part Number	Tape Width	Tape Thickness
T-SR-P840154	As per specification	As per specification

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres

## Eaton Weatherhead® A6900W equivalent Silicone Elastomer Tape

Meets MIL-I-46852 / A-A-59163 Specifications

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

*Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant*



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold temperature performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Secures insulation to hot air ducting.
- Meets Mil-I-46852 and A-A-59163 specifications.
- CofA Available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

### Eaton Weatherhead® A6900W Equivalent Silicone Rubber Self Fusing Insulating Tape

#### Part Number

T-SR-A6900W-OR

T-SR-A6900W-BK

- OR = Oxide-Red, BK = Black
- Tapes are 12 yards / 36 feet / 432 inches long
- Tapes are 1" / 25mm wide

Weatherhead® is a registered trademark of Eaton Hydraulics

## ES7889-1 / ES7889-2 -01 through -21 - Type I & Type II

### Systems & Electronics Equivalent Silicone Rubber Self Adhering Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

**Self Binding / Self-Fusing / Self Amalgamating Tape -  
High Temperature, Heat & Flame Resistant**



- Self-bonds / self fuses / self amalgamating tape. No residue when removed. Starts fusing within minutes; fully bonded within hours. Excellent cold temperature performance. Low water absorption.
- Tested to:
  - ASTM D 149; provides minimum 400 V/mil. for .010" to .030" thick tape, 300 V/mil for .040" thick tape and 250 V/mil for .060" thick tape.
  - ASTM D 412; provides minimum 700 psi tensile strength and minimum 300% elongation.
  - ASTM D 2240; Durometer (Shore A); 55. Other test data available.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852, AA59163 and ABS 5334 specifications. Certificate of Conformity available.
- Amalgamating time: Room temperature; 24 hours / at 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes. Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

Type II tapes have a center guideline stripe to assist in making 50% overwraps. The triangular profile version tape allows for minimal ridge lines, providing wire and cable splices and joints with an almost totally smooth surface (prevents snagging when splice is pulled through obstructions).

**Systems & Electronics ES7889 Type I & Type II Equivalent  
 High Temperature Silicone Rubber Self Adhering Electrical Tape**

**Meets all ES7889 Specifications**

Part Number	Tape Width, Inches	Thickness, inches	Color / Type
ES7889-2R01 / ES7889-2B01	1.00"	0.020"	Red or Black / Type II
ES7889-2R02 / ES7889-2B02	1.00"	0.030"	Red or Black / Type II
ES7889-2R03 / ES7889-2B03	1.00"	0.040"	Red or Black / Type II
ES7889-2R04 / ES7889-2B04	1.25"	0.050"	Red or Black / Type II
ES7889-2R05 / ES7889-2B05	1.50"	0.060"	Red or Black / Type II
ES7889-2R06 / ES7889-2B06	1.50"	0.080"	Red or Black / Type II
ES7889-1R07 / ES7889-1B07	0.50"	0.020"	Red or Black / Type I
ES7889-1R08 / ES7889-1B08	0.75"	0.040"	Red or Black / Type I
ES7889-1R09 / ES7889-1B09	1.00"	0.040"	Red or Black / Type I
ES7889-1R10 / ES7889-1B10	1.25"	0.020"	Red or Black / Type I
ES7889-1R11 / ES7889-1B11	1 1/2"	0.012"	Red or Black / Type I
ES7889-1R12 / ES7889-1B12	2"	0.020"	Red or Black / Type I
ES7889-1R13 / ES7889-1B13	2"	0.020"	Red or Black / Type I
ES7889-1R14 / ES7889-1B14	1.00"	0.020"	Red or Black / Type I
ES7889-1R15 / ES7889-1B15	1.25"	0.020"	Red or Black / Type I
ES7889-1R16 / ES7889-1B16	1.50"	0.020"	Red or Black / Type I
ES7889-1R17 / ES7889-1B17	0.50"	0.030"	Red or Black / Type I
ES7889-1R18 / ES7889-1B18	0.75"	0.030"	Red or Black / Type I
ES7889-1R19 / ES7889-1B19	1.00"	0.030"	Red or Black / Type I
ES7889-1R20 / ES7889-1B20	1.25"	0.030"	Red or Black / Type I
ES7889-1R21 / ES7889-1B21	1.50"	0.030"	Red or Black / Type I

**Guideline Color on Type II Triangular Tapes Only:** .020" = blue / .030" = white / .040" = green

Type II edge thickness is .008" +/- .001"

**Please enquire for pricing on widths and thicknesses other than those listed above.**

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- For the X value (color code): R = Oxide-Red, B = Black. Other colors available.
- Certificate of Conformity: Add \$6.00 for individual roll CofC. Lot/Batch CofC \$12.00 per order line item.
- Test Report: Add \$150.00 per order line item.

Amalgamating time: Room temperature; 24 hours / at 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes. Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

All trade names and trademarks are property of their respective owners

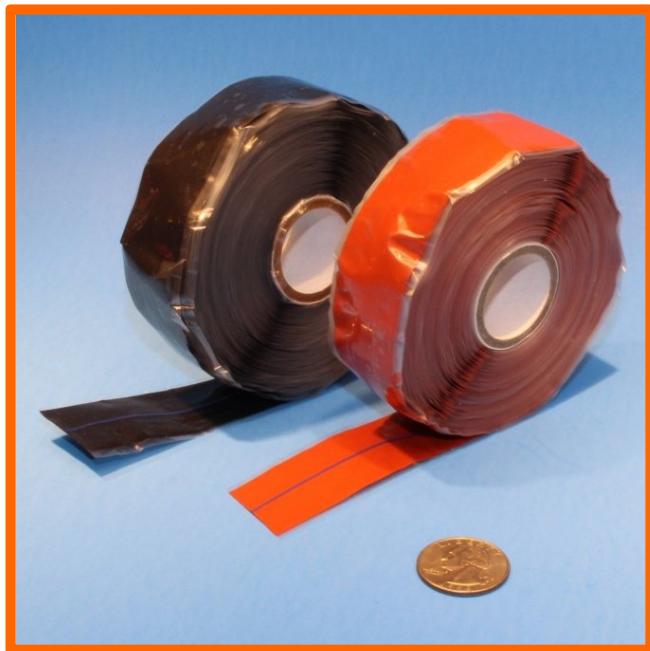
## Boeing DMS 2186 Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

**FlameShield™ - Meets Boeing DMS 2186 Specifications –**

**Available as DMS 2186 Type I & Type II**

**Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant**



- Meets Boeing DMS2186 specifications.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Type I meets MIL-I-22444 specifications. Type II meets Mil-I-46852, AA59163 and other proprietary specifications.
- Meets FAR 25.853 Appendix F, section a, 1, iv – Horizontal burn rate.
- CofC available.
- Available in Oxide-Red or Black.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ Boeing DMS 2186 Type I and Type II High Temperature Silicone Rubber Self Fusing Compression/Stretch Tape		
Part Number	Tape Width Inches / mm	Tape Thickness inches / mm
<b>BOEING DMS 2186 Type I (meets MIL-I-22444)</b>		
T-SR-BOEING-DMS2186-1S-0.75-20-XX	3/4 / 19	0.020 / 0.51
T-SR-BOEING-DMS2186-1S-1.00-20-XX	1 / 25	0.020 / 0.51
<b>BOEING DMS 2186 Type II (meets MIL-I-46852 / AA-59163)</b>		
T-SR-BOEING-DMS2186-2-1.00-20-XX	1 / 25	0.020 / 0.51
T-SR-BOEING-DMS2186-2-1.00-30-XX	1 / 25	0.030 / 0.76
T-SR-BOEING-DMS2186-2-1.00-40-XX	1 / 25	0.040 / 1.01
T-SR-BOEING-DMS2186-2-1.25-50-XX	1 1/4 / 32	0.050 / 1.27
T-SR-BOEING-DMS2186-2-1.25-60-XX	1 1/2 / 38	0.060 / 1.52
T-SR-BOEING-DMS2186-2-1.25-80-XX	1 1/2 / 38	0.080 / 2.03

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- For the XX value (color code): OR = Oxide-Red, BK = Black
- DMS2186 specification does not allow tapes to be thinner than .020"

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Recertification is available.

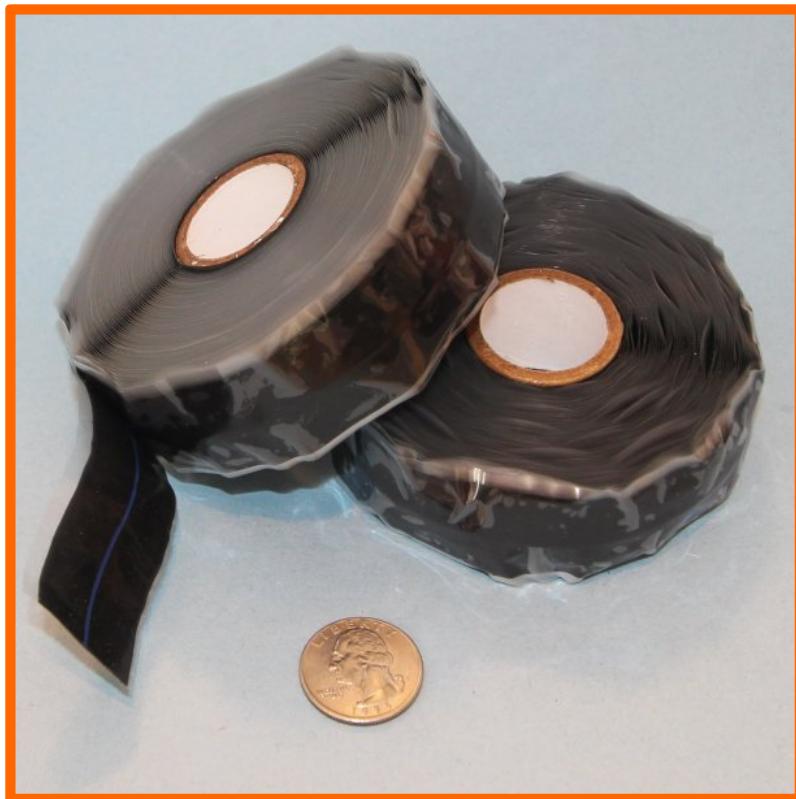
## Boeing HS5215E (103 & 203) Equivalent

### NSN 5330-01-479-4233 / 5330-01-479-4235 Silicone Rubber Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

### FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape

*Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant*



- Meets HS5215E specifications.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Used as a backshell clamp bushing tape.
- Meets Mil-I-46852 and other proprietary specifications.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ High Temperature Silicone Rubber Self Fusing Compression/Stretch Electrical Insulating Tape Meets HS5215E103 Specifications		
Part Number	Tape Width Inches / mm	Tape Thickness
T-SR-HS5215E103	Per specification	Per specification
T-SR-HS5215E203	Per specification	Per specification

Part Number	Tape Width Inches / mm	Tape Thickness
T-SR-HS5215E103	Per specification	Per specification
T-SR-HS5215E203	Per specification	Per specification

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- This tape is Black per the specification.

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

## FAA FAR 25.853 - Appendix F Horizontal and Vertical Burn Rate Limits

### Silicone Rubber Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

**FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape**

**Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant**



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and AA59163 specifications.
- Meets FAR 25.853 Appendix F, section a, 1, iv – Horizontal burn rate.
- Meets FAR 25.853 Appendix F, section a, 1, ii – Vertical burn rate
- CofC available.

FlameShield™ FAA FAR 25.853 Tape High Temperature Silicone Rubber Self Fusing Compression/Stretch Tape		
Part Number	Tape Width Inches / mm	Tape Thickness Inches / mm
<b>FAA FAR 25.853 Type I Tape (Other Widths / Thickness / Lengths Available)</b>		
T-SR-FAR-1-08-20	1/2 / 13	0.020 / 0.51
T-SR-FAR-1-16-12	1 / 25	0.012 / 0.30
T-SR-FAR-1-16-20	1 / 25	0.020 / 0.51
<b>FAA FAR 25.853 Type II Tape (Other Widths / Thickness / Lengths Available)</b>		
T-SR-FAR-2-16-20	1 / 25	0.020 / 0.51
T-SR-FAR-2-16-30	1 / 25	0.030 / 0.76
T-SR-FAR-2-16-40	1 / 25	0.040 / 1.01

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- Color is brown only

## FNOK 52152 Ace 90052152

### NSN 5970-01-450-4130 Silicone Rubber Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

### FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape

*Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant*



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-22444 and other proprietary specifications.
- CofC available.
- Mfg Cage code L8347
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ High Temperature Silicone Rubber Self Fusing Compression/Stretch Electrical Insulating Tape Meets FNOK 52152 / Ace 90052152 Specifications		
Part Number	Tape Width	Tape Thickness inches / mm
Specification NSN 5970-01-450-4130		
90052152	3/4"	.050"

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

## Garmin 249-00114-00 Silicone Rubber Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

**FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical**

**Insulating Tape**

**High Temperature, Heat & Flame Resistant**



- Garmin 249-00114-00 tape is available in oxide-red and black colors.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Used to protect wiring at the backshell clamp from clamping damage. Also provides equalization of strain relief.
- Used to build up the diameter of the wire bundle so that the cable clamp on the backshell will hold the wires in situations where too few wires would have resulted in the clamp not contacting the wires, resulting in strain on the connector's internal pins.
- Meets Mil-I-46852 / AA59163. CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

### FlameShield™ High Temperature Silicone Rubber Self Fusing Compression/Stretch Tape Garmin 249-00114-00

Part Number	Tape Width and Thickness Inches / mm	Color
T-SR-Garmin-249-00114-OR	As per Garmin specification	Oxide-Red
T-SR-Garmin-249-00114-BK	As per Garmin specification	Black

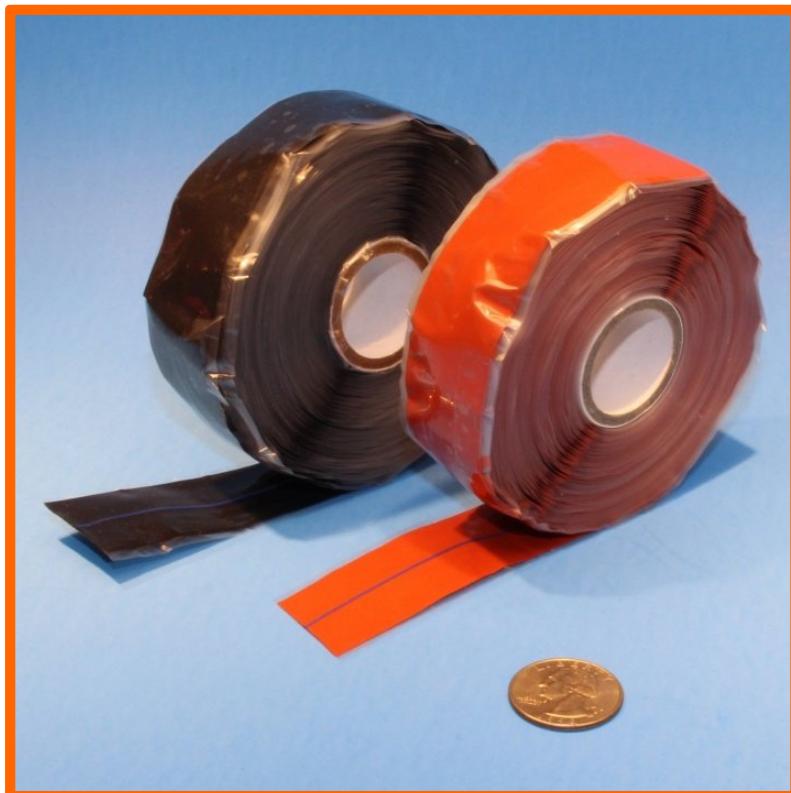


## General Dynamics P5384 Equivalent Silicone Rubber Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

### FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape

**Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant**



- Meets General Dynamics P5384 specifications.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and AA59163 and other proprietary specifications.
- CofC available.
- NSN 9320-01-310-3746
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

#### FlameShield™ High Temperature Silicone Rubber Self Fusing Compression/Stretch Electrical Insulating Tape Meets General Dynamics P5384 Specifications

Part Number	Tape Width Inches / mm	Tape Thickness
T-SR-P5384-XX	As per specification	As per specification

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- This tape is Oxide-red per the specification or black is also available.
- For XX specify OR for Oxide-red or BK for Black

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

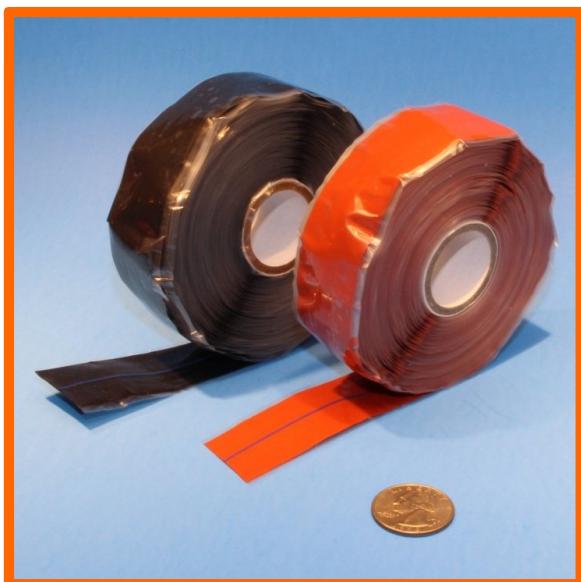
## General Electric Power Generation A50A493 & 3003M70P

### Equivalent Silicone Rubber Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

### FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape

*Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant*



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and AA59163 and other proprietary specifications.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

#### FlameShield™ General Electric Power Generation Standard A50A493 & 3003M70 High Temperature Silicone Rubber Self Fusing Compression/Stretch Tape

Part Number	Tape Width Inches / mm	Tape Thickness Inches / mm
<b>A50A493A Tape:</b>		
T-SR-GEPG-93A-T-16-20	1 / 25	0.020 / 0.51
<b>A50A493B Tape:</b>		
T-SR-GEPG-93B-T-16-40	1 / 25	0.040 / 1.02
<b>A50A493C Tape:</b>		
T-SR-GEPG-93C-R-16-20	1 / 25	0.020 / 0.51
<b>A50A493D Tape:</b>		
T-SR-GEPG-93D-R-48-30	3 / 76	0.030 / 0.76
<b>3003M70P01 Tape:</b>		
T-SR-GEPG-P01-T-16-20	1 / 25	0.020 / 0.51
<b>3003M70P02 Tape:</b>		
T-SR-GEPG-P02-R-12-20	3/4 / 19	0.020 / 0.51
<b>3003M70P03 Tape:</b>		
T-SR-GEPG-P03-R-08-20	1/2 / 13	0.020 / 0.51

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- All versions of A50A493 are Oxide-Red

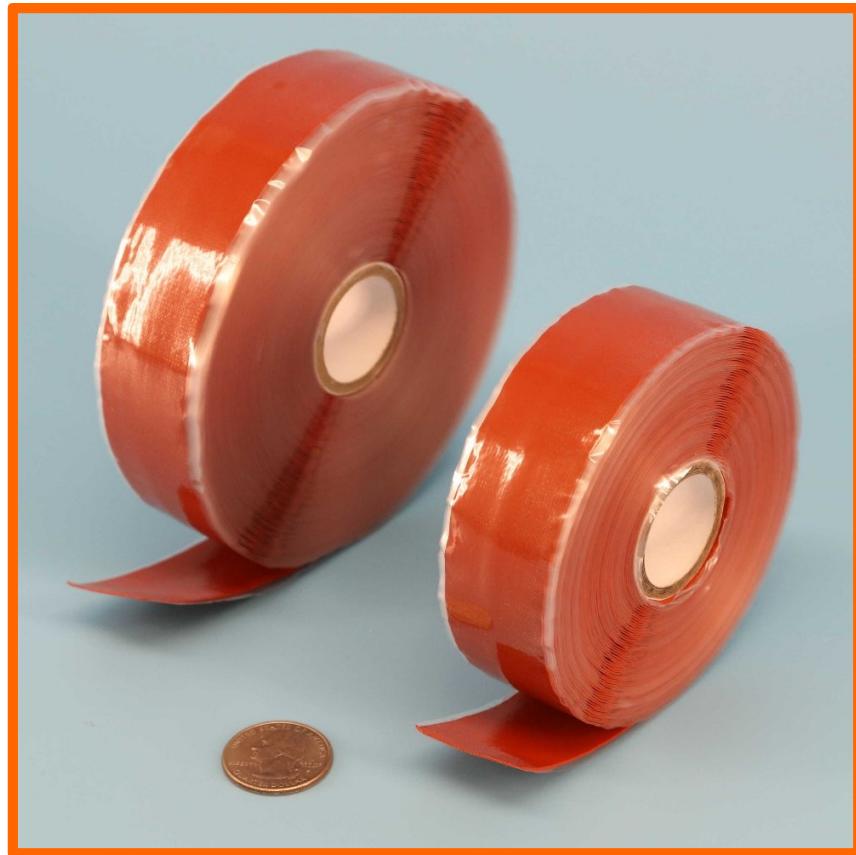
## General Electric Transportation Systems A50E112

### Silicone Rubber Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

### FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape

*Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant*



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-22444 and other proprietary specifications. This is a supported glass reinforced tape.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ General Electric Transportation Systems Standard A50E112 – Junction Insulation Tape High Temperature Silicone Rubber Self Fusing Compression/Stretch Tape		
Part Number	Tape Width Inches / mm	Tape Thickness Inches / mm
T-SR-A50E112-OR-S25-16-20-12Y	1 / 25	0.020 / 0.51
T-SR-A50E112-OR-S25-16-20-20Y	1 / 25	0.020 / 0.51

- Roll length of 12 yards (12Y in part number) or 20 yards (20Y in part number)
- Tapes are Oxide-Red color

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

## General Electric Transportation Systems EMS2074

### Silicone Rubber Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

### FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape

*Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant*



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-22444 and other proprietary specifications. This is glass reinforced tape. Color is Oxide-red.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ General Electric Transportation Systems Standard EMS2074 – Junction Insulation Tape High Temperature Silicone Rubber Self Fusing Compression/Stretch Tape		
Part Number	Tape Width Inches / mm	Tape Thickness Inches / mm
T-SR-EMS2074-OR-S25-08-20	1/2 / 13	0.020 / 0.51
T-SR-EMS2074-OR-S25-12-20	3/4 / 19	0.020 / 0.51
T-SR-EMS2074-OR-S25-16-20	1 / 25	0.020 / 0.51

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- Tapes are Oxide-Red

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

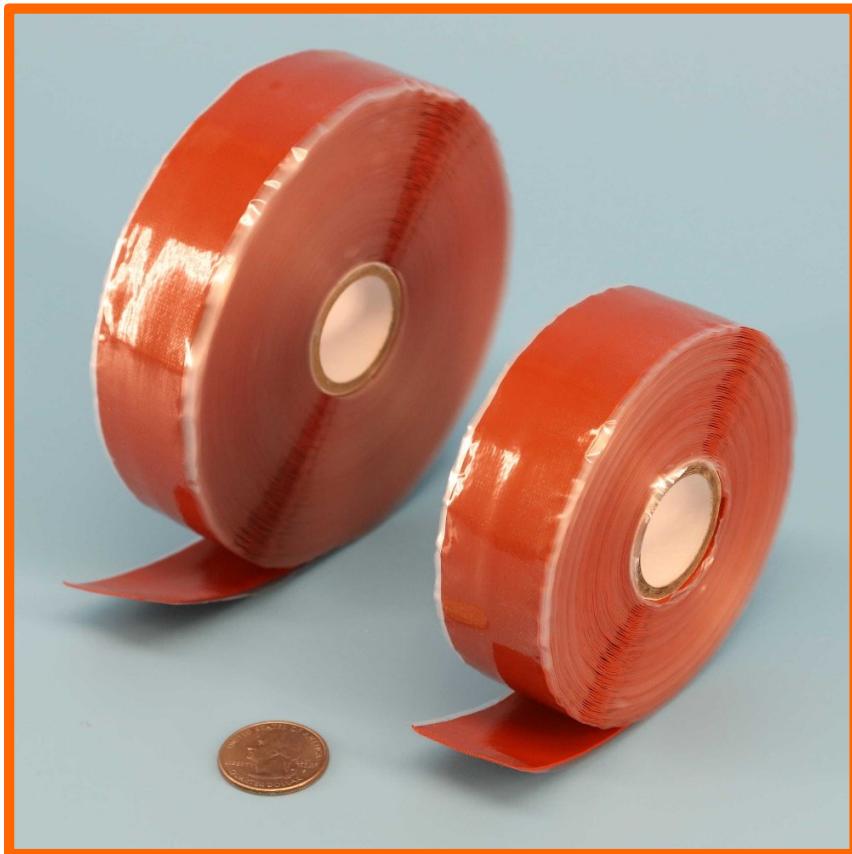
## General Electric Transportation Systems EMD 8355873

### Silicone Rubber Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

### FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape

*Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant*



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-22444C specifications. This is a supported glass reinforced tape.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ General Electric Transportation Systems Standard EMD 8355873 – Junction Insulation Tape High Temperature Silicone Rubber Self Fusing Compression/Stretch Tape		
Part Number	Tape Width Inches / mm	Tape Thickness Inches / mm
T-SR-EMD-8355873-OR-S25-16-20-12Y	1 / 25	0.020 / 0.51
T-SR-EMD-8355873-OR-S25-16-20-20Y	1 / 25	0.020 / 0.51

- Roll length of 12 yards (12Y in part number) or 20 yards (20Y in part number)
- Tapes are Oxide-Red color

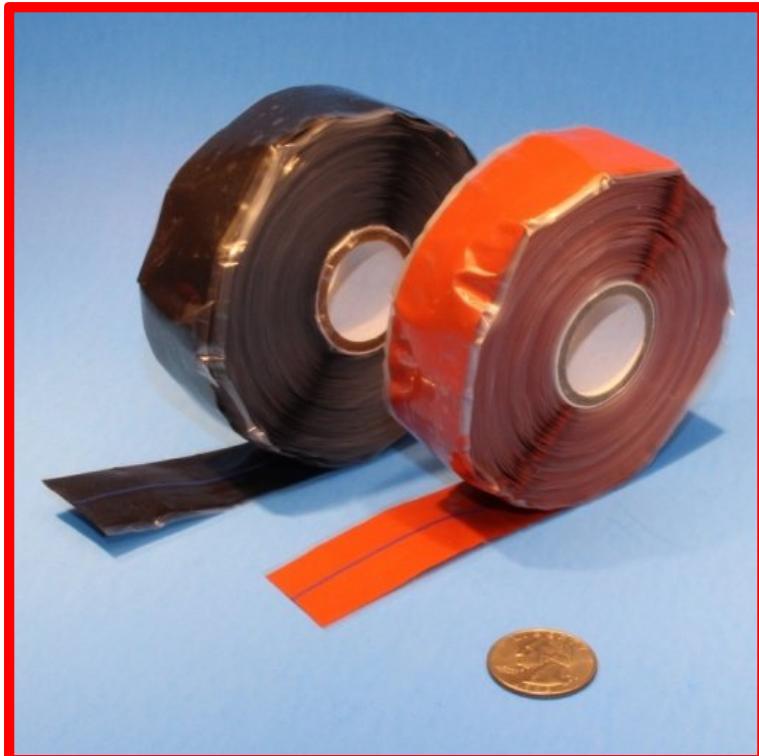
These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

## ITT Canon Connector Backshell Strain Relief Isolation Tape

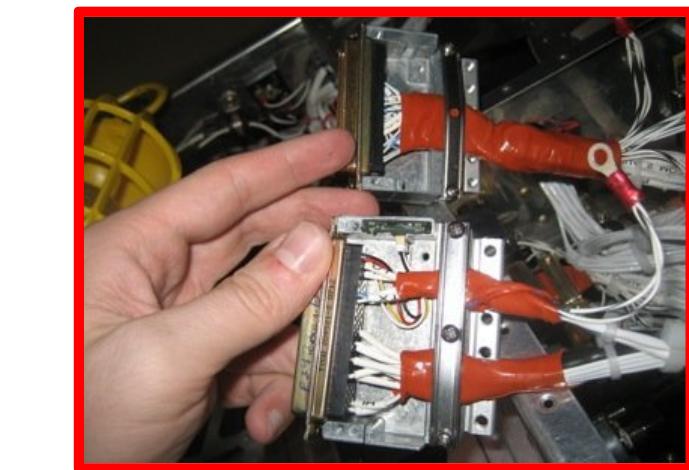
Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

### FlameShield™ Silicone Rubber Isolation Tape

High Temperature, Heat & Flame Resistant



- Available as Type I unsupported (rectangular end profile), Type II unsupported (triangular end profile). Both Types meeting Mil-I-46852 / AA59163 specifications.
- Also available as supported meeting Mil-I-22444 (rectangular end profile).
- Suitable for all ITT / Canon round and flat backshell strain relief clamps.
- Equivalent to Garmin 249-00114-00 tape for aviation use.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape. Used to protect wiring at the backshell clamp from clamping damage. Also provides equalization of strain relief.
- Used to build up the diameter of the wire bundle so that the cable clamp on the backshell will hold the wires in situations where too few wires would have resulted in the clamp not contacting the wires, resulting in strain on the connector's internal pins.
- Available as Class 1 Type I and Type II or Class 2 tape Type I and Type II. (Class 1 is inch-pound specification, Class 2 is millimetre-kg specification)
- Available in Oxide-Red and Black.
- Standard tape thickness includes .020", .030" and .040".
- Standard widths include 0.500", 0.625", 0.750", 1.000", 1.500", 2.000".
- C of C available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

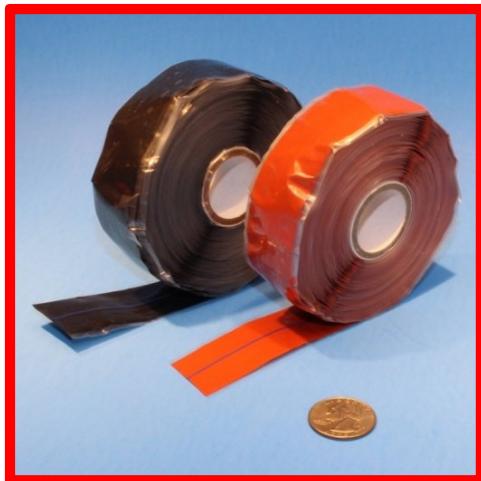


Type I unsupported tape is rectangular in end profile view. It is preferred for making custom bushings, vibration dampeners, etc. Type II unsupported tape is triangular in end profile view. It is particularly suitable for wrapping splices, wiring bundles and cables as it forms a smoother surface and minimizes snagging if pulling wiring through bundles. Type I and Type II meet MIL-I-46852 and AA-59163 specifications. Unsupported tape means that there is no fiberglass interweave layer inside the tape, which is used to limit the ultimate elongation of the tape when it is stretched during installation.

The supported version of the tape is rectangular in end profile view (it looks like Type I tape), and includes a fiberglass reinforcement layer to limit the amount of stretch (elongation) that the tape can undergo (which limits how thin the tape results in being after stretching), prevents migration of the silicone under high clamping forces or around high angle bends or sharp corners. Supported tapes meet MIL-I-22444 specification.

MIL-I-46852 and AA-59163 specifications are very similar to MIL-I-22444 specifications, with the exception of the elongation values - which are lower in tapes meeting MIL-I-22444 due to the fiberglass supporting layer.

**ITT Canon Connector Backshell Strain Relief Isolation Tape/Bushing**  
**500°F / 260°C: FlameShield™ Silicone Rubber Isolation Tape**  
**High Temperature, Heat & Flame Resistant**



**ITT Canon Connector Backshell Strain Relief Isolation Tape**

**Meets MIL-I-46852 / A-A-59163 / ABS 5334 Specifications - Type I and Type II Version**

**MIL-I-22444 Supported Version**

Part Number	Tape Width Inches / mm	Thickness inches / mm	Color / Type / Profile
<b>Unsupported MIL-I-46852 / AA-59163 Type I and Type II tapes below</b>			
T-SR-ITT CANON-08-RXX-20	1/2 / 12.7	0.020 / 0.508	Black or Oxide-red / I / Rectangular
T-SR-ITT CANON-08-RXX-30	1/2 / 12.7	0.030 / 0.760	Black or Oxide-red / I / Rectangular
T-SR-ITT-CANON-10-RXX-20	5/8 / 15.7	0.020 / 0.508	Black or Oxide-red / I / Rectangular
T-SR-ITT-CANON-12-RXX-20	3/4 / 19	0.020 / 0.508	Black or Oxide-red / I / Rectangular
T-SR-ITT-CANON-16-RXX-10	1 / 25.4	0.010 / 0.254	Black or Oxide-red / I / Rectangular
T-SR-ITT-CANON-16-TXX-20	1 / 25.4	0.020 / 0.508	Black or Oxide-red / II / Triangular
T-SR-ITT-CANON-16-RXX-20	1 / 25.4	0.020 / 0.508	Black or Oxide-red / I / Rectangular
T-SR-ITT-CANON-16-TXX-40	1 / 25.4	0.040 / 1.000	Black or Oxide-red / II / Triangular
T-SR-ITT-CANON-16-RXX-40	1 / 25.4	0.040 / 1.000	Black or Oxide-red / I / Rectangular
T-SR-ITT-CANON-24-RXX-20	1 1/2 / 38.1	0.020 / 0.508	Black or Oxide-red / I / Rectangular
T-SR-ITT-CANON-24-RXX-12	1 1/2 / 38.1	0.012 / 0.304	Black or Oxide-red / I / Rectangular
On the above tapes that are Type II, the guideline color is: blue on .020" thick tapes / white on .030" thick tapes / green on .040" thick tapes			
<b>Supported MIL-I-22444 tapes below</b>			
T-SR-ITT-CANON-16-S25XX-20	1 / 25.4	0.020 / 0.508	Black or Oxide-red
T-SR-ITT-CANON-16-S25XX-40	1 / 25.4	0.040 / 1.01	Black or Oxide-red

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- For the X value (color code): OR = Oxide-Red, BK = Black

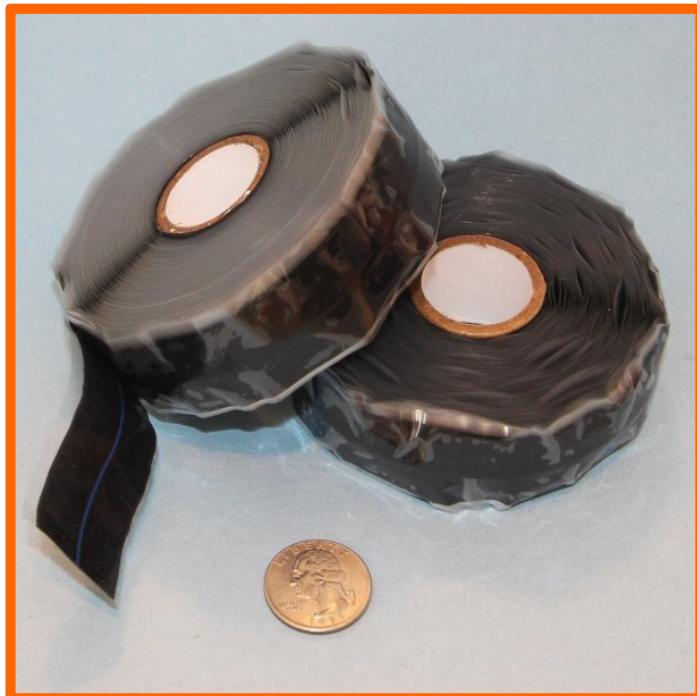
## L-3 Communications Tape, Electrical, Silicone Self-Fusing, Standard & Limited Stretch Versions (Supported and Non-Supported)

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Meeting A-A-59163 Class 1, Type I Specifications & MIL-I-22444

Also meets MIL-I-46852 Specifications

**Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant**



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets A-A-59163, MIL-I-46852 and MIL-I-22444 specifications.
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available. Standard color is Black.
- CofC available.
- Cage Code L8347.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

### L-3 Communications Tape, Electrical, Silicone Self-Fusing, Standard non-supported

Meets MIL-I-46852 & A-A-59163 Specifications: Class 1, Type I

Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
T-SR-40014362-000	1/2 / 13	0.020 / 0.5	I / Rectangular
T-SR-40014362-001	3/4 / 19	0.020 / 0.5	I / Rectangular
T-SR-40014362-002	1 / 25	0.020 / 0.5	I / Rectangular
T-SR-40014362-003	1.25 / 32	0.020 / 0.5	I / Rectangular

### L-3 Communications Tape, Electrical, Silicone Self-Fusing, Limited Stretch supported

Meets MIL-I-22444 Specifications

T-SR-7186328-000	1/2 / 13	0.020 / 0.5	I / Rectangular
T-SR-7186328-001	1 / 25	0.050 / 1.27	I / Rectangular

## Lockheed Martin Astronautics Equivalent MMS J517

### Type I & Type II Silicone Rubber Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

### FlameShield™ Self Fusing Electrical Insulating Tape

#### Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and AA59163 and other specifications.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

#### FlameShield™ High Temperature Silicone Rubber Self Fusing Compression/Stretch Electrical Insulating Tape Meets MMS J517 Type I and Type II Specifications

Part Number	Tape Width Inches / mm	Tape Thickness inches / mm
<b>MMS J517 Type I</b>		
T-SR-MMSJ517-1-08-10-XX	1/2 / 13	0.010 / 0.25
T-SR-MMSJ517-1-08-20-XX	1/2 / 13	0.020 / 0.51
T-SR-MMSJ517-1-08-30-XX	1/2 / 13	0.030 / 0.76
T-SR-MMSJ517-1-12-10-XX	3/4 / 19	0.010 / 0.25
T-SR-MMSJ517-1-12-20-XX	3/4 / 19	0.020 / 0.51
T-SR-MMSJ517-1-12-30-XX	3/4 / 19	0.030 / 0.76
T-SR-MMSJ517-1-16-10-XX	1 / 25	0.010 / 0.25
T-SR-MMSJ517-1-16-20-XX	1 / 25	0.020 / 0.51
T-SR-MMSJ517-1-16-30-XX	1 / 25	0.030 / 0.76
T-SR-MMSJ517-1-20-10-XX	1.25 / 32	0.010 / 0.25
T-SR-MMSJ517-1-20-20-XX	1.25 / 32	0.020 / 0.51
T-SR-MMSJ517-1-20-30-XX	1.25 / 32	0.030 / 0.76
T-SR-MMSJ517-1-24-10-XX	1.50 / 38	0.010 / 0.25
T-SR-MMSJ517-1-24-20-XX	1.50 / 38	0.020 / 0.51
T-SR-MMSJ517-1-24-30-XX	1.50 / 38	0.030 / 0.76
<b>MMS J517 Type II</b>		
T-SR-MMSJ517-2-16-20-XX	1 / 25	0.020 / 0.51
T-SR-MMSJ517-2-16-30-XX	1 / 25	0.030 / 0.76
T-SR-MMSJ517-2-16-40-XX	1 / 25	0.040 / 1.01
T-SR-MMSJ517-2-20-50-XX	1 1/4 / 32	0.050 / 1.27
T-SR-MMSJ517-2-24-60-XX	1 1/2 / 38	0.060 / 1.52
T-SR-MMSJ517-2-24-80-XX	1 1/2 / 38	0.080 / 2.03

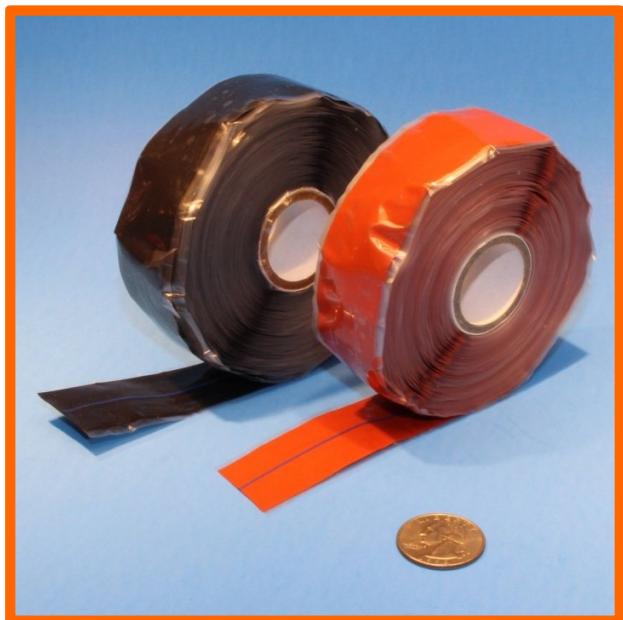
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- For the XX value (color code): OR = Oxide-Red, BK = Black

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

## Lockheed Martin Space Systems Equivalent 5-00857 & 5-00615 Silicone Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C  
**FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape**

**Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant**



- Meets Lockheed-Martin 5-00857 & 5-00615 specifications.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets MIL-I-22444 and other proprietary specifications.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

<b>FlameShield™ High Temperature Silicone Rubber Self Fusing Compression/Stretch Tape</b> <b>Meets Lockheed Martin Space Systems 5-00857 &amp; 5-00615 Specifications</b>		
<b>Part Number</b>	<b>Tape Width Inches / mm</b>	<b>Tape Thickness inches / mm</b>
<b>Specification 5-00857</b>		
T-SR-5-00857-S-ZZ	As per specification	As per specification
<b>Specification 5-00615</b>		
T-SR-5-00615	As per specification	As per specification

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- For the ZZ value (color code): OR = Oxide-Red, BK = Black

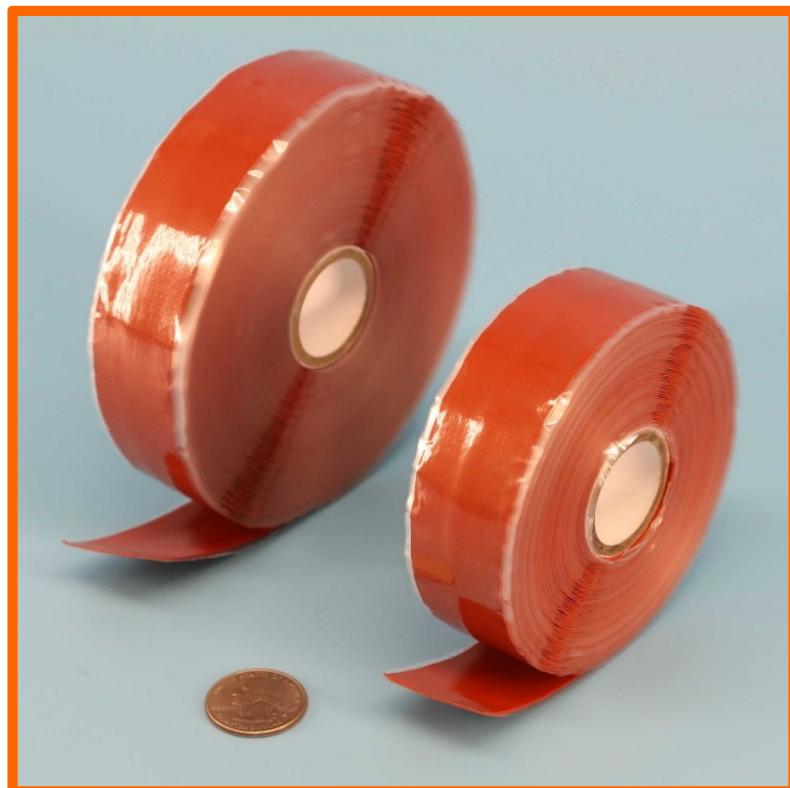
These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

## Lockheed Martin Tactical Systems P5189 Equivalent Silicone Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

### FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape

**Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant**



- Meets Lockheed-Martin Tactical Systems P5189 specifications.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets MIL-I-22444 and other proprietary specifications.
- CofC available.
- Only available in Oxide-red.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ High Temperature Silicone Rubber Self Fusing Compression/Stretch Electrical Insulating Tape Meets Lockheed Martin Tactical Systems P5189 Specifications		
Part Number	Tape Width Inches / mm	Tape Thickness inches / mm
<b>Specification P5189</b>		
T-SR-P5189-S2-08	1/2 / 13	As per specification
T-SR-P5189-S2-16	1 / 25	As per specification

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

**Lockheed Martin Systems Integration 6084744 Silicone Rubber Tape**

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

**FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape****Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant**

- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-22444 and other proprietary specifications.
- CofC available.
- NSN 5970-01-596-7929
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).
- Photo is a similar tape – actual tape has no center guideline

**FlameShield™ High Temperature Silicone Rubber Self Fusing Compression/Stretch Electrical Insulating Tape  
Meets Lockheed Martin Systems Integration 6084744 Specifications**

Part Number	Tape Width Inches / mm	Tape Thickness inches / mm
<b>Specification 6084744</b>		
T-SR-6084744-08-S15-OR	1/2 / 13	As per specification
T-SR-6084744-16-S15-OR	1 / 25	As per specification
T-SR-6084744-08-S25-OR (NSN 5970-01-596-7929)	1/2 / 13	As per specification
T-SR-6084744-16-S25-OR	1 / 25	As per specification

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- Color is Oxide-red

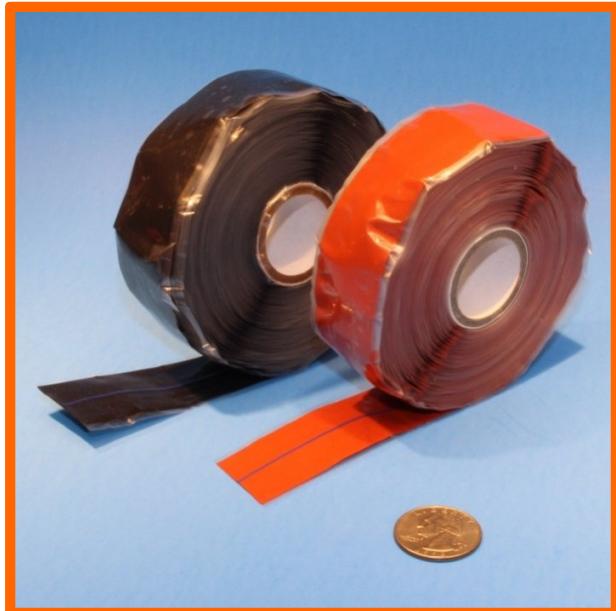
These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

## Markel 4529670544 NSN 5970-00-955-9976 Equivalent MIL Spec Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Meets MIL-I-46852 / A-A-59163 & Other Proprietary Specifications

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and AA59163 specifications. Certification available.
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available. For the XX value (color code): OR = Oxide-Red, BK = Black. CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

Markel 4529670544 NSN 5970-00-955-9976 Equivalent Series MIL Spec High Temperature Silicone Self Fusing Electrical Insulating Tape - Meets MIL-I-46852 and A-A-59163 Specifications			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
<b>Markel 4529670544 Equivalent Mil-I-46852 / AA59163 Tape: Type II</b>			
T-SR-Markel-4529670544-XX	1 / 25	0.040 / 1.00	II / Triangular

Please enquire for pricing on sizes other than those listed above.  
This tape can be made in thicknesses from 0.010" to 0.080" and in various widths.

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

Type II tapes have a center guideline stripe to assist in making 50% overwraps. The triangular profile version tape allows for minimal ridge lines, providing splices and joints with an almost totally smooth surface (prevents snagging when splice pulled through obstructions).

## MM96330 / GL30R67W00 Systems & Electronics

### Systems & Electronics Equivalent Silicone Rubber

#### Self Adhering Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Self Binding / Self-Fusing / Self Amalgamating Tape -

High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating tape. No residue when removed. Starts fusing within minutes; fully bonded within hours. Excellent cold temperature performance. Low water absorption.
- Tested to:
  - ASTM D 149; provides minimum 400 V/mil. for .010" to .030" thick tape, 300 V/mil for .040" thick tape and 250 V/mil for .060" thick tape.
  - ASTM D 412; provides minimum 700 psi tensile strength and minimum 300% elongation.
  - ASTM D 2240; Durometer (Shore A); 55. Other test data available.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852, AA59163 and ABS 5334 specifications. Certificate of Conformity available.
- Amalgamating time: Room temperature; 24 hours / at 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes. Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

#### MM96330 / GL30R67W00 High Temperature Silicone Rubber Self Fusing Electrical Tape

Part Number	Tape Width	Tape Thickness
T-SR-MM96330	As per specification	As per specification
T-SR-GL30R67W00	As per specification	As per specification

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.

## MOX 602 / MOX 603 / MOX 604 Equivalent T Series MIL Spec Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Meets MIL-I-46852 / A-A-59163 & Other Proprietary Specifications

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and A-A-59163 specifications. Certification available.
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available. For the XX value (color code): OR = Oxide-Red, BK = Black.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

MOX 602 / MOX 603 / MOX 604 Equivalent T Series MIL Spec High Temperature Silicone Self Fusing Electrical Insulating Tape - Meets MIL-I-46852 and A-A-59163 Specifications			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
<b>602 / 603 / 604 Mil-I-46852 / AA59163 Tapes: Type II</b>			
T-SR-MOX-602-.75-TXX	3/4 / 19	0.020 / 0.50	II / Triangular
T-SR-MOX-602-1.0-TXX	1 / 25	0.020 / 0.50	II / Triangular
T-SR-MOX-602-1.5-TXX	1 1/2 / 38	0.020 / 0.50	II / Triangular
T-SR-MOX-603-.75-TXX	3/4 / 19	0.030 / 0.76	II / Triangular
T-SR-MOX-603-1.0-TXX	1 / 25	0.030 / 0.76	II / Triangular
T-SR-MOX-603-1.5-TXX	1 1/2 / 38	0.030 / 0.76	II / Triangular
T-SR-MOX-604-.75-TXX	3/4 / 19	0.040 / 1.00	II / Triangular
T-SR-MOX-604-1.0-TXX	1 / 25	0.040 / 1.00	II / Triangular
T-SR-MOX-604-1.5-TXX	1 1/2 / 38	0.040 / 1.00	II / Triangular

Please enquire for pricing on sizes other than those listed above.  
This tape can be made in thicknesses from 0.010" to 0.080" and in various widths.

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

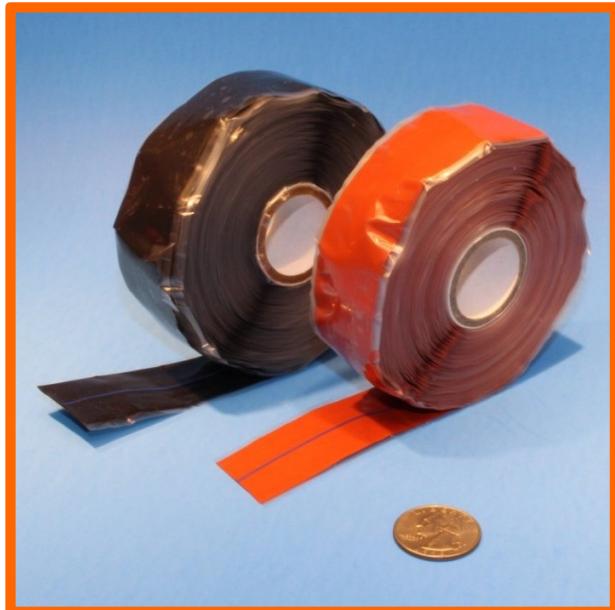
Type II tapes have a center guideline stripe to assist in making 50% overwraps. The triangular profile version tape allows for minimal ridge lines, providing splices and joints with an almost totally smooth surface (prevents snagging when splice pulled through obstructions).

## MOX 615 / MOX 620 / MOX 630 / MOX 640 Equivalent R Series MIL Spec Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Meets MIL-I-46852 / A-A-59163 & Other Proprietary Specifications

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and AA59163 specifications. Certification available.
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available. For the XX value (color code): OR = Oxide-Red, BK = Black. CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

### MOX 620 / MOX 630 / MOX 640 Equivalent R Series MIL Spec High Temperature Silicone Self Fusing Tape Electrical Insulating Tape. Meets MIL-I-46852 and A-A-59163 Specifications

Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
<b>MOX 615 / MOX 620 / MOX 630 / MOX 640 Mil-I-46852 / AA59163 Tapes: Type I</b>			
T-SR-MOX-615-1.0-RXX	1 / 25	0.015 / 0.38	I / Rectangular
T-SR-MOX-620-.50-RXX	1/2 / 13	0.020 / 0.50	I / Rectangular
T-SR-MOX-620-.75-RXX	3/4 / 19	0.020 / 0.50	I / Rectangular
T-SR-MOX-620-1.0-RXX	1 / 25	0.020 / 0.50	I / Rectangular
T-SR-MOX-620-1.5-RXX	1 1/2 / 38	0.020 / 0.50	I / Rectangular
T-SR-MOX-630-.50-RXX	1/2 / 13	0.030 / 0.76	I / Rectangular
T-SR-MOX-630-.75-RXX	3/4 / 19	0.030 / 0.76	I / Rectangular
T-SR-MOX-630-1.0-RXX	1 / 25	0.030 / 0.76	I / Rectangular
T-SR-MOX-630-1.5-RXX	1 1/2 / 38	0.030 / 0.76	I / Rectangular
T-SR-MOX-640-.50-RXX	1/2 / 13	0.040 / 1.00	I / Rectangular
T-SR-MOX-640-.75-RXX	3/4 / 19	0.040 / 1.00	I / Rectangular
T-SR-MOX-640-1.0-RXX	1 / 25	0.040 / 1.00	I / Rectangular
T-SR-MOX-640-1.5-RXX	1 1/2 / 38	0.040 / 1.00	I / Rectangular

Please enquire for pricing on sizes other than those listed above.  
This tape can be made in thicknesses from 0.010" to 0.080" and in various widths.

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

## MOX Equivalent SA 25% & 15% SB Reinforced / Supported Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Meets MIL-I-24222 & Other Proprietary Specifications

*Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant*



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-22444 specifications. Certification available.
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available. For the XX value (color code): OR = Oxide-Red, BK = Black.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

### MOX Equivalent 25% SA Series MIL Spec High Temperature Silicone Self Fusing Electrical Insulating Tape. Meets MIL-I-22444 Specifications

Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
T-SR-MOX-SA00520-RXX	1/2 / 13	0.020 / 0.50	I / Rectangular
T-SR-MOX-SA00720-RXX	3/4 / 19	0.020 / 0.50	I / Rectangular
T-SR-MOX-SA01020-RXX	1 / 25	0.020 / 0.50	I / Rectangular
T-SR-MOX-SA01520-RXX	1 1/2 / 38	0.020 / 0.50	I / Rectangular
T-SR-MOX-SA00530-RXX	1/2 / 13	0.030 / 0.76	I / Rectangular
T-SR-MOX-SA00730-RXX	3/4 / 19	0.030 / 0.76	I / Rectangular
T-SR-MOX-SA01030-RXX	1 / 25	0.030 / 0.76	I / Rectangular
T-SR-MOX-SA01530-RXX	1 1/2 / 38	0.030 / 0.76	I / Rectangular
T-SR-MOX-SA00540-RXX	1/2 / 13	0.040 / 1.00	I / Rectangular
T-SR-MOX-SA00740-RXX	3/4 / 19	0.040 / 1.00	I / Rectangular
T-SR-MOX-SA01040-RXX	1 / 25	0.040 / 1.00	I / Rectangular
T-SR-MOX-SA01540-RXX	1 1/2 / 38	0.040 / 1.00	I / Rectangular

**MOX Equivalent 15% Reinforced / Supported Silicone Rubber Self Fusing Electrical Insulating Tape**

**500°F / 260°C: Meets MIL-I-24222 & Other Proprietary Specifications**  
**Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant**



**MOX Equivalent 15% SB Series MIL Spec High Temperature Silicone Self Fusing Electrical Insulating Tape. Meets MIL-I-22444 Specifications**

Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
T-SR-MOX-SB00520-RXX	1/2 / 13	0.020 / 0.50	I / Rectangular
T-SR-MOX-SB00720-RXX	3/4 / 19	0.020 / 0.50	I / Rectangular
T-SR-MOX-SB01020-RXX	1 / 25	0.020 / 0.50	I / Rectangular
T-SR-MOX-SB01520-RXX	1 1/2 / 38	0.020 / 0.50	I / Rectangular
T-SR-MOX-SB00530-RXX	1/2 / 13	0.030 / 0.76	I / Rectangular
T-SR-MOX-SB00730-RXX	3/4 / 19	0.030 / 0.76	I / Rectangular
T-SR-MOX-SB01030-RXX	1 / 25	0.030 / 0.76	I / Rectangular
T-SR-MOX-SB01530-RXX	1 1/2 / 38	0.030 / 0.76	I / Rectangular
T-SR-MOX-SB00540-RXX	1/2 / 13	0.040 / 1.00	I / Rectangular
T-SR-MOX-SB00740-RXX	3/4 / 19	0.040 / 1.00	I / Rectangular
T-SR-MOX-SB01040-RXX	1 / 25	0.040 / 1.00	I / Rectangular
T-SR-MOX-SB01540-RXX	1 1/2 / 38	0.040 / 1.00	I / Rectangular

**Please enquire for pricing on sizes other than those listed above.  
This tape can be made in thicknesses from 0.010" to 0.080" and in various widths.**

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

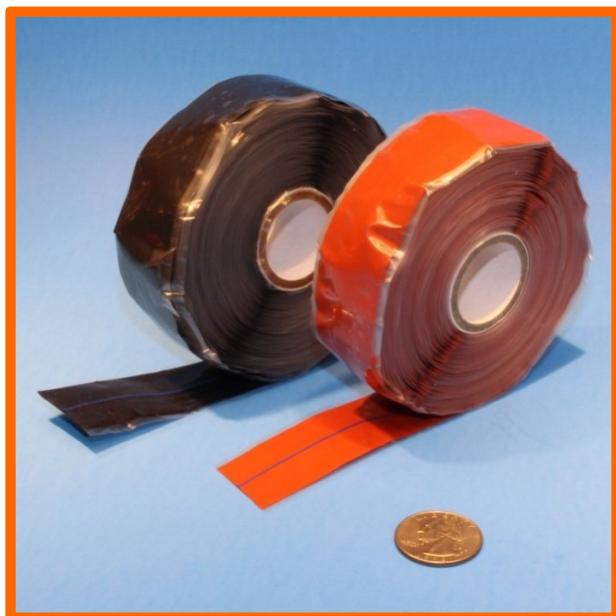
Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

## MOX 602 / MOX 603 / MOX 604 OEM T Series MIL Spec Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Meets MIL-I-46852 / A-A-59163 & Other Proprietary Specifications

*Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant*



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and AA59163 specifications. Certification available.
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available. For the XX value (color code): OR = Oxide-Red, BK = Black.
- CofC available.
- Minimum Order Quantities apply to OEM tapes

<b>MOX 602 / MOX 603 / MOX 604 OEM T Series MIL Spec High Temperature Silicone Self Fusing Electrical Insulating Tape - Meets MIL-I-46852 and A-A-59163 Specifications</b>			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
<b>602 / 603 / 604 Mil-I-46852 / AA59163 Tapes: Type II</b>			
MOX-602-.75-TXX	3/4 / 19	0.020 / 0.50	II / Triangular
MOX-602-1.0-TXX	1 / 25	0.020 / 0.50	II / Triangular
MOX-602-1.5-TXX	1 1/2 / 38	0.020 / 0.50	II / Triangular
MOX-603-.75-TXX	3/4 / 19	0.030 / 0.76	II / Triangular
MOX-603-1.0-TXX	1 / 25	0.030 / 0.76	II / Triangular
MOX-603-1.5-TXX	1 1/2 / 38	0.030 / 0.76	II / Triangular
MOX-604-.75-TXX	3/4 / 19	0.040 / 1.00	II / Triangular
MOX-604-1.0-TXX	1 / 25	0.040 / 1.00	II / Triangular
MOX-604-1.5-TXX	1 1/2 / 38	0.040 / 1.00	II / Triangular

Please enquire for pricing on sizes other than those listed above.  
This tape can be made in thicknesses from 0.010" to 0.080" and in various widths.

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

Type II tapes have a center guideline stripe to assist in making 50% overwraps. The triangular profile version tape allows for minimal ridge lines, providing splices and joints with an almost totally smooth surface (prevents snagging when splice pulled through obstructions).

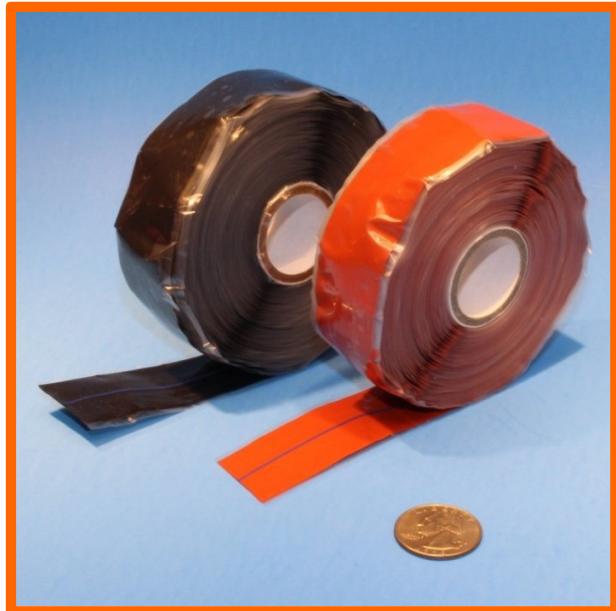
## MOX 615 / MOX 620 / MOX 630 / MOX 640 OEM R Series MIL Spec

### Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Meets MIL-I-46852 / A-A-59163 & Other Proprietary Specifications

Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and AA59163 specifications. Certification available.
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available. For the XX value (color code): OR = Oxide-Red, BK = Black. CofC available.
- Minimum Order Quantities apply to OEM tapes.

### MOX 620 / MOX 630 / MOX 640 OEM R Series MIL Spec High Temperature Silicone Self Fusing Electrical Insulating Tape. Meets MIL-I-46852 and A-A-59163 Specifications

Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
<b>MOX 615 / MOX 620 / MOX 630 / MOX 640 Mil-I-46852 / AA59163 Tapes: Type I</b>			
MOX-615-1.0-RXX	1 / 25	0.015 / 0.38	I / Rectangular
MOX-620-.50-RXX	1/2 / 13	0.020 / 0.50	I / Rectangular
MOX-620-.75-RXX	3/4 / 19	0.020 / 0.50	I / Rectangular
MOX-620-1.0-RXX	1 / 25	0.020 / 0.50	I / Rectangular
MOX-620-1.5-RXX	1 1/2 / 38	0.020 / 0.50	I / Rectangular
MOX-630-.50-RXX	1/2 / 13	0.030 / 0.76	I / Rectangular
MOX-630-.75-RXX	3/4 / 19	0.030 / 0.76	I / Rectangular
MOX-630-1.0-RXX	1 / 25	0.030 / 0.76	I / Rectangular
MOX-630-1.5-RXX	1 1/2 / 38	0.030 / 0.76	I / Rectangular
MOX-640-.50-RXX	1/2 / 13	0.040 / 1.00	I / Rectangular
MOX-640-.75-RXX	3/4 / 19	0.040 / 1.00	I / Rectangular
MOX-640-1.0-RXX	1 / 25	0.040 / 1.00	I / Rectangular
MOX-640-1.5-RXX	1 1/2 / 38	0.040 / 1.00	I / Rectangular

Please enquire for pricing on sizes other than those listed above.

This tape can be made in thicknesses from 0.010" to 0.080" and in various widths.

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

## MOX OEM 15% & 25% Reinforced / Supported Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Meets MIL-I-24222 & Other Proprietary Specifications

*Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant*



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-22444 specifications. Certification available.
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available. For the XX value (color code): OR = Oxide-Red, BK = Black.
- CofC available.

MOX OEM 25% Series MIL Spec High Temperature Silicone Self Fusing Electrical Insulating Tape. Meets MIL-I-22444 Specifications			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
MOX-SA00520-RXX	1/2 / 13	0.020 / 0.50	I / Rectangular
MOX-SA00720-RXX	3/4 / 19	0.020 / 0.50	I / Rectangular
MOX-SA01020-RXX	1 / 25	0.020 / 0.50	I / Rectangular
MOX-SA01520-RXX	1 1/2 / 38	0.020 / 0.50	I / Rectangular
MOX-SA00530-RXX	1/2 / 13	0.030 / 0.76	I / Rectangular
MOX-SA00730-RXX	3/4 / 19	0.030 / 0.76	I / Rectangular
MOX-SA01030-RXX	1 / 25	0.030 / 0.76	I / Rectangular
MOX-SA01530-RXX	1 1/2 / 38	0.030 / 0.76	I / Rectangular
MOX-SA00540-RXX	1/2 / 13	0.040 / 1.00	I / Rectangular
MOX-SA00740-RXX	3/4 / 19	0.040 / 1.00	I / Rectangular
MOX-SA01040-RXX	1 / 25	0.040 / 1.00	I / Rectangular
MOX-SA01540-RXX	1 1/2 / 38	0.040 / 1.00	I / Rectangular

**MOX OEM 15% Reinforced / Supported Silicone Rubber Self Fusing Electrical Insulating Tape**

**500°F / 260°C: Meets MIL-I-24222 & Other Proprietary Specifications**  
**Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant**



**MOX OEM 15% Series MIL Spec High Temperature Silicone Self Fusing Electrical Insulating Tape. Meets MIL-I-22444 Specifications**

Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
MOX-SB00520-RXX	1/2 / 13	0.020 / 0.50	I / Rectangular
MOX-SB00720-RXX	3/4 / 19	0.020 / 0.50	I / Rectangular
MOX-SB01020-RXX	1 / 25	0.020 / 0.50	I / Rectangular
MOX-SB01520-RXX	1 1/2 / 38	0.020 / 0.50	I / Rectangular
MOX-SB00530-RXX	1/2 / 13	0.030 / 0.76	I / Rectangular
MOX-SB00730-RXX	3/4 / 19	0.030 / 0.76	I / Rectangular
MOX-SB01030-RXX	1 / 25	0.030 / 0.76	I / Rectangular
MOX-SB01530-RXX	1 1/2 / 38	0.030 / 0.76	I / Rectangular
MOX-SB00540-RXX	1/2 / 13	0.040 / 1.00	I / Rectangular
MOX-SB00740-RXX	3/4 / 19	0.040 / 1.00	I / Rectangular
MOX-SB01040-RXX	1 / 25	0.040 / 1.00	I / Rectangular
MOX-SB01540-RXX	1 1/2 / 38	0.040 / 1.00	I / Rectangular

**Please enquire for pricing on sizes other than those listed above.  
This tape can be made in thicknesses from 0.010" to 0.080" and in various widths.**

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

**MS70T09-S - NSN 5970-00-955-9976 Silicone Rubber Tape**  
Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C  
**FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape**

**Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant**



- Meets MS70T09-S specifications.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Used as a backshell clamp bushing tape.
- Meets Mil-I-46852 / A-A-59163 specifications.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

**MS70T09-S / NSN 5970-00-955-9976 Silicone Rubber Self Fusing Compression/Stretch Electrical Insulating Tape**

Part Number	Tape Width Inches / mm	Tape Thickness
T-SR-MS70T09S-NSN-00-955-9976	As per specification	As per specification

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- This tape is Black per the specification.

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

## Nimikkeistokeskus NCB Finland 10134254 Series MIL Spec Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Meets MIL-I-46852 / A-A-59163 Specifications

**Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant**



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and AA59163 specifications. Certification available.
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available. For the XX value (color code): OR = Oxide-Red, BK = Black.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

<b>Nimikkeistokeskus NCB Finland 10134254 Equivalent Series MIL Spec High Temperature Silicone Self Fusing Electrical Insulating Tape - Meets MIL-I-46852 and A-A-59163 Specifications</b>			
<b>Part Number</b>	<b>Tape Width Inches / mm</b>	<b>Thickness inches / mm</b>	<b>Type / Profile</b>
<b>10134254 Mil-I-46852 / AA59163 Tape: Type II</b>			
T-SR-NCBFIN-10134254-XX	1 / 25	0.040 / 1.0	II / Triangular

Please enquire for pricing on sizes other than those listed above.  
This tape can be made in thicknesses from 0.010" to 0.080" and in various widths.

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

Type II tapes have a center guideline stripe to assist in making 50% overwraps. The triangular profile version tape allows for minimal ridge lines, providing splices and joints with an almost totally smooth surface (prevents snagging when splice pulled through obstructions).

## NSN & NATO Mil Spec Silicone Rubber Electrical Insulation Tapes



Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ MIL Spec Silicone Rubber Self Fusing Compression & Stretch Tape with National Stock Number (NSN & NATO)

Cage L8347

Meets MIL-I-46852 / A-A-59163 / MIL-I-22444 & Many Other Proprietary Specifications

*Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant*



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Secures insulation to hot air ducting.
- Meet various specifications, including MIL-I-46852, A-A-59163 & MIL-I-22444. CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

### Call for availability

These tapes are not interchangeable. The NSN number specifies other parameters of the tape such as thickness, profile, width, reinforcement, rubber formulation, etc.

Some tapes are stock. Non stock items typically are 10 to 15 days to produce. Some may incur minimum order quantity (typically 12, 18, 24, 30 or 36 rolls).

## NSN & NATO Mil Spec Silicone Rubber Electrical Insulation Tapes – Cage L8347



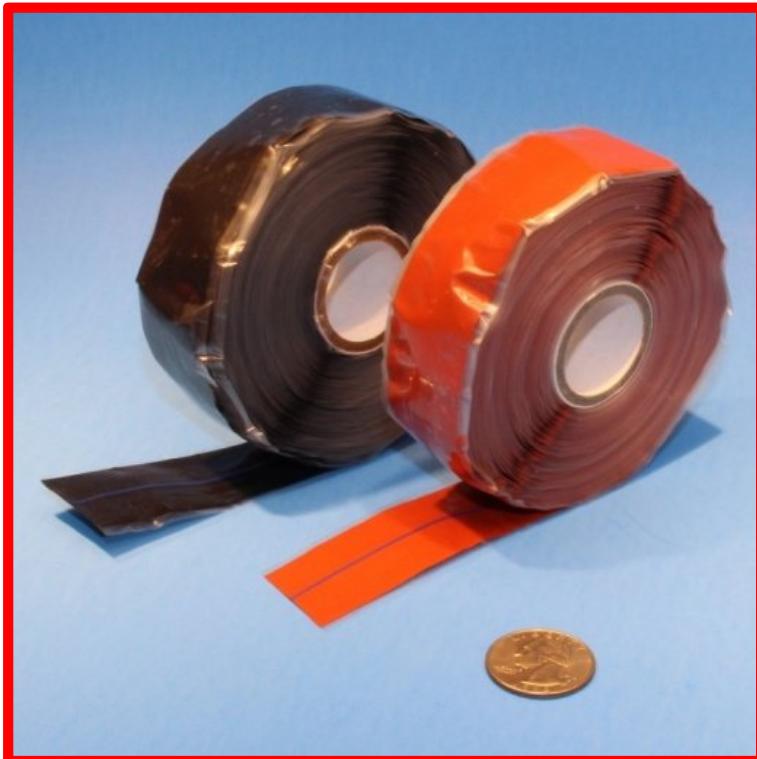
<b>NSN / NATO National Stock Numbers</b>	<b>Color</b>	<b>Our Part Number</b>
5970-00-082-3226	Black or Red	T-SR-NSN-00-082-3226
5970-00-177-1627	Black	T-SR-NSN-00-177-1627
5970-00-446-3928	Black	T-SR-NSN-00-446-3928
5970-00-446-8928	Red	T-SR-NSN-00-446-8928
5970-00-480-1329	Red	T-SR-NSN-00-480-1329
5970-00-782-5056	Red	T-SR-NSN-00-782-5056
5970-00-841-1172	Red	T-SR-NSN-00-841-1172
5970-00-949-4846	Red	T-SR-NSN-00-949-4846
5970-00-955-9976	Black	T-SR-NSN-00-955-9976
5970-01-140-5672	Red	T-SR-NSN-01-140-5672
5970-01-142-8454	Red	T-SR-NSN-01-142-8454
5970-01-147-3595	Red or Black	T-SR-NSN-01-147-3595
5970-01-250-8756	Red	T-SR-NSN-01-250-8756
5970-01-259-5830	Red or Black	T-SR-NSN-01-259-5830
5970-01-263-0373	Red	T-SR-NSN-01-263-0373
5970-01-263-3931	Black	T-SR-NSN-01-263-3931
5970-01-273-6030	Red or Black	T-SR-NSN-01-273-6030
5970-01-276-5277	Red or Black	T-SR-NSN-01-276-5277
5970-01-286-7456	Red	T-SR-NSN-01-286-7456
5970-01-325-8971	Red or Black	T-SR-NSN-01-325-8971
5970-01-342-8289	Black	T-SR-NSN-01-342-8289
5970-01-358-0397	Black or Red	T-SR-NSN-01-358-0397
5970-01-396-1601	Red	T-SR-NSN-01-396-1601
5970-01-432-6018	Red	T-SR-NSN-01-432-6018
5970-01-450-4130	Black	T-SR-NSN-01-450-4130
Red or Black	T-SR-NSN-01-485-5980	5970-01-485-5980
5970-01-491-8992	Black	T-SR-NSN-01-491-8992
5970-01-495-5211	Black	T-SR-NSN-01-495-5211
5970-01-541-9092	Red or Black	T-SR-NSN-01-541-9092
9320-01-552-7024	Red or Black	T-SR-NSN-01-552-7024
5970-01-560-3208	Red or Black	T-SR-NSN-01-560-3208
5970-01-596-7929	Red or Black	T-SR-NSN-01-596-7929
8030-01-587-1885	Red	T-SR-NSN-01-587-1885
5970-01-600-6091	Red	T-SR-NSN-01-600-6091
5970-00-839-0824	Red	T-SR-NSN-00-839-0824
5970-14-459-8605	Black	T-SR-NSN-14-459-8605
5970-14-467-8824		T-SR-NSN-14-467-8824
5970-14-474-7041		T-SR-NSN-14-474-8824
5330-01-479-4233	Black	T-SR-NSN-01-479-4233
5970-01-276-5277	Gray	T-SR-NSN-01-276-5277
5970-01-592-3238	Gray	T-SR-NSN-01-592-3238

## PEI-Genesis™ Connector Backshell Strain Relief Isolation Tape

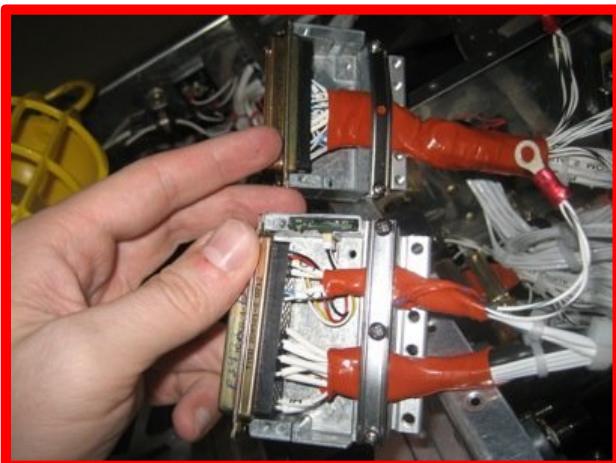
Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

### FlameShield™ Silicone Rubber Isolation Tape

High Temperature, Heat & Flame Resistant



- Available as Type I unsupported (rectangular end profile), Type II unsupported (triangular end profile). Both Types meeting Mil-I-46852 / AA59163 specifications.
- Also available as supported meeting Mil-I-22444 (rectangular end profile).
- Suitable for all Amphenol / ITT / Canon round and flat backshell strain relief clamps.
- Equivalent to Garmin 249-00114-00 tape for aviation use.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape. Used to protect wiring at the backshell clamp from clamping damage. Also provides equalization of strain relief.
- Used to build up the diameter of the wire bundle so that the cable clamp on the backshell will hold the wires in situations where too few wires would have resulted in the clamp not contacting the wires, resulting in strain on the connector's internal pins.
- Available as Class 1 Type I and Type II or Class 2 tape Type I and Type II. (Class 1 is inch-pound specification, Class 2 is millimetre-kg specification)
- Available in Oxide-Red and Black.
- Standard tape thickness includes .020", .030" and .040".
- Standard widths include 0.5", 0.75", 1.00", 1.50", 2.00".
- Manufacturer C of C available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

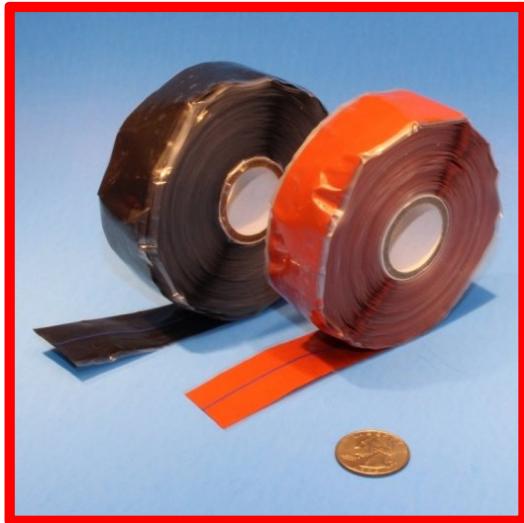


Type I unsupported tape is rectangular in end profile view. It is preferred for making custom bushings, vibration dampeners, etc. Type II unsupported tape is triangular in end profile view. It is particularly suitable for wrapping splices, wiring bundles and cables as it forms a smoother surface and minimizes snagging if pulling wiring through bundles. Type I and Type II meet MIL-I-46852 and AA-59163 specifications. Unsupported tape means that there is no fiberglass interweave layer inside the tape, which is used to limit the ultimate elongation of the tape when it is stretched during installation.

The supported version of the tape is rectangular in end profile view (it looks like Type I tape), and includes a fiberglass reinforcement layer to limit the amount of stretch (elongation) that the tape can undergo (which limits how thin the tape results in being after stretching), prevents migration of the silicone under high clamping forces or around high angle bends or sharp corners. Supported tapes meet MIL-I-22444 specification.

MIL-I-46852 and AA-59163 specifications are very similar to MIL-I-22444 specifications, with the exception of the elongation values - which are lower in tapes meeting MIL-I-22444 due to the fiberglass supporting layer.

**PEI-Genesis™ Connector Backshell Strain Relief Isolation Tape/Bushing**  
**500°F / 260°C: FlameShield™ Silicone Rubber Isolation Tape**  
**High Temperature, Heat & Flame Resistant**



**PEI-Genesis™ Connector Backshell Strain Relief Isolation Tape**

**Meets MIL-I-46852 / A-A-59163 / ABS 5334 Specifications - Type I and Type II Version**

**MIL-I-22444 Supported Version**

Part Number	Tape Width Inches / mm	Thickness inches / mm	Color / Type / Profile
<b>Unsupported MIL-I-46852 / AA-59163 Type I and Type II tapes below</b>			
T-SR-PEI-GENESIS-08-RBK-20	1/2 / 12.7	0.020 / 0.508	Black / I / Rectangular
T-SR-PEI-GENESIS-08-RXX-30	1/2 / 12.7	0.030 / 0.760	Black or Oxide-red / I / Rectangular
T-SR-PEI-GENESIS-10-RBK-20	5/8 / 15.7	0.020 / 0.508	Black / I / Rectangular
T-SR-PEI-GENESIS-12-RXX-20	3/4 / 19	0.020 / 0.508	Black or Oxide-red / I / Rectangular
T-SR-PEI-GENESIS-16-TXX-20	1 / 25.4	0.020 / 0.508	Black or Oxide-red / II / Triangular
T-SR-PEI-GENESIS-16-RXX-20	1 / 25.4	0.020 / 0.508	Black or Oxide-red / I / Rectangular
T-SR-PEI-GENESIS-16-TXX-30	1 / 25.4	0.030 / 0.760	Black or Oxide-red / II / Triangular
T-SR-PEI-GENESIS-16-RXX-30	1 / 25.4	0.030 / 0.760	Black or Oxide-red / I / Rectangular
T-SR-PEI-GENESIS-16-TXX-40	1 / 25.4	0.040 / 1.000	Black or Oxide-red / II / Triangular
T-SR-PEI-GENESIS-16-RXX-40	1 / 25.4	0.040 / 1.000	Black or Oxide-red / I / Rectangular
T-SR-PEI-GENESIS-24-RXX-20	1 1/2 / 38.1	0.020 / 0.508	Black or Oxide-red / I / Rectangular
T-SR-PEI-GENESIS-24-RXX-12	1 1/2 / 38.1	0.012 / 0.304	Black or Oxide-red / I / Rectangular
On the above tapes that are Type II, the guideline color is: blue on .020" thick tapes / white on .030" thick tapes / green on .040" thick tapes			
<b>Supported MIL-I-22444 tapes below</b>			
T-SR-PEI-GENESIS-16-S25XX-20	1 / 25.4	0.020 / 0.508	Black or Oxide-red
T-SR-PEI-GENESIS-16-S25XX-40	1 / 25.4	0.040 / 1.01	Black or Oxide-red

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- For the XX value (color code): OR = Oxide-Red, BK = Black

All trademarks and tradenames are property of their respective owner

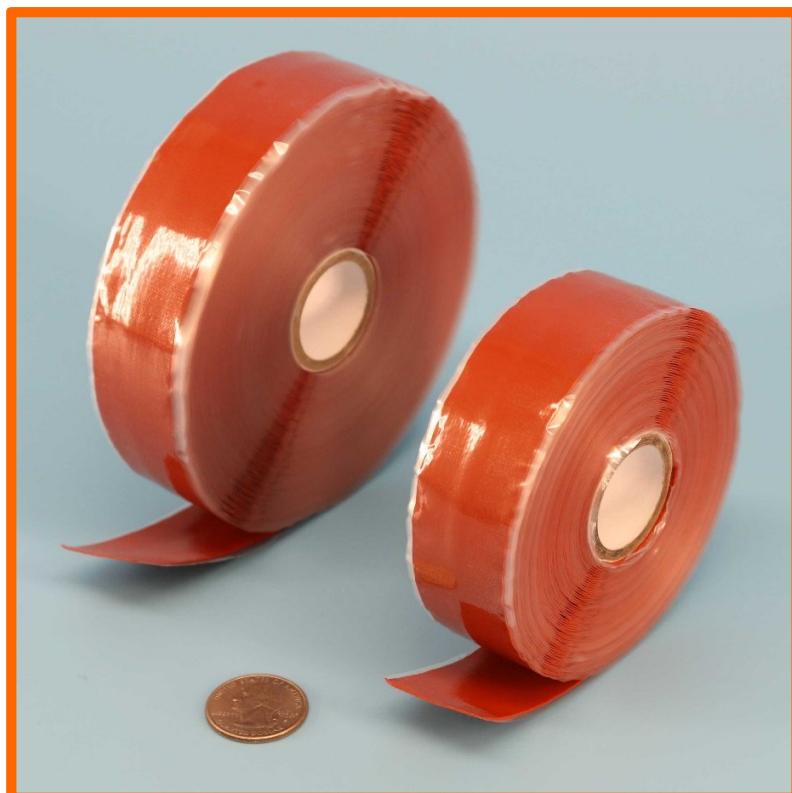
## Polamco 100P323 Equivalent

### Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Meets MIL-I-22444 & Many OEM Specifications

*Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant*



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold temperature performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Secures insulation to hot air ducting.
- CofC available.
- Rolls are 12 or 20 yards long.
- This tape meets: DMS 2186, Type 1 & MIL-I-22444 specifications
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

## Polamco 100P323 Equivalent Silicone Rubber Self Fusing Electrical Insulating Tape

### Supported Tape – With Fiberglass Substrate

Part Number	Roll Length
T-SR-100P323-20Y-16-OR	20 yards
T-SR-100P323-12Y-16-OR	12 yards

- Color is Oxide-red
- 1" / 25 mm wide
- 0.020" / 0.51mm thick

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

All trademarks and tradenames are property of their respective owners

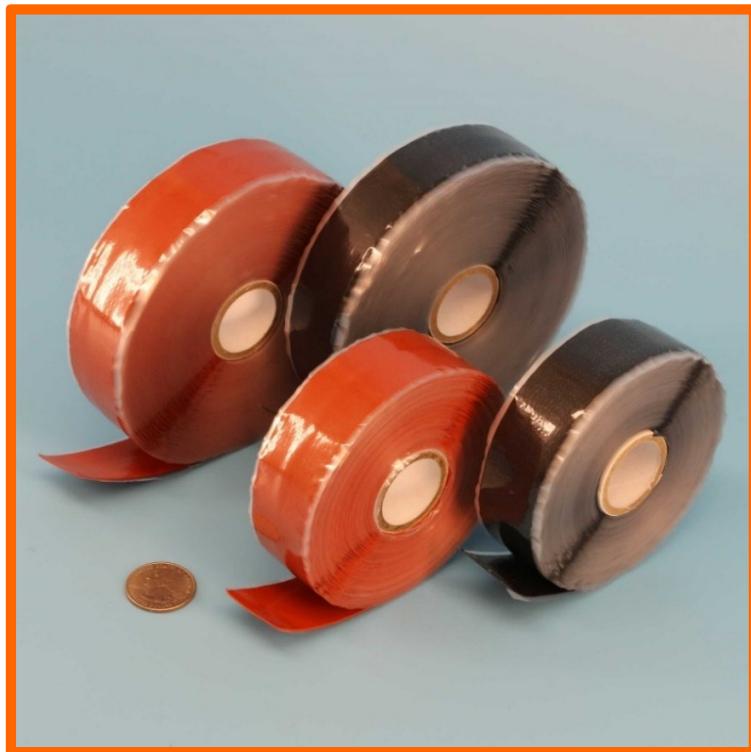
## RL6000SA / RL6000SB Stretchtape™ Equivalent

### Silicone Rubber Self Fusing Electrical Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Meets MIL-I-22444 & Many OEM Specifications

*Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant*



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold temperature performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Secures insulation to hot air ducting.
- CofC available.
- Rolls are 12 or 20 yards long.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

## RL6000SA / RL6000SB Stretchtape™ Equivalent

### Silicone Rubber Self Fusing Electrical Insulating Tape

Part Number	Tape Width Inches / mm	Tape Thickness inches / mm
<b>Supported Tape – With Fiberglass Substrate – 15% (SB) or 25% (SA) Maximum Elongation</b>		
T-SR-RL6000SA-12Y-08-XX (12 yard roll)	0.50 / 13	0.020 / 0.51
T-SR-RL6000SB-12Y-08-XX (12 yard roll)	0.50 / 13	0.020 / 0.51
T-SR-RL6000SA-12Y-12-XX (12 yard roll)	0.75 / 19	0.020 / 0.51
T-SR-RL6000SB-12Y-12-XX (12 yard roll)	0.75 / 19	0.020 / 0.51
T-SR-RL6000SA-12Y-16-XX (12 yard roll)	1.00 / 25	0.020 / 0.51
T-SR-RL6000SB-12Y-16-XX (12 yard roll)	1.00 / 25	0.020 / 0.51
T-SR-RL6000SA-20Y-16-XX (20 yard roll)	1.00 / 25	0.020 / 0.51
T-SR-RL6000SB-20Y-16-XX (20 yard roll)	1.00 / 25	0.020 / 0.51

- For the XX value (color code): OR = Oxide-Red, BK = Black
- 12Y/20Y in part number: 12Y = 12 yard roll length. 20Y = 20 yard roll length

T-SR-RL6000SA-XX equivalent to NSN 5970-01-325-8971. T-SR-RL6000SB-XX equivalent to NSN 5970-00-841-1172

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

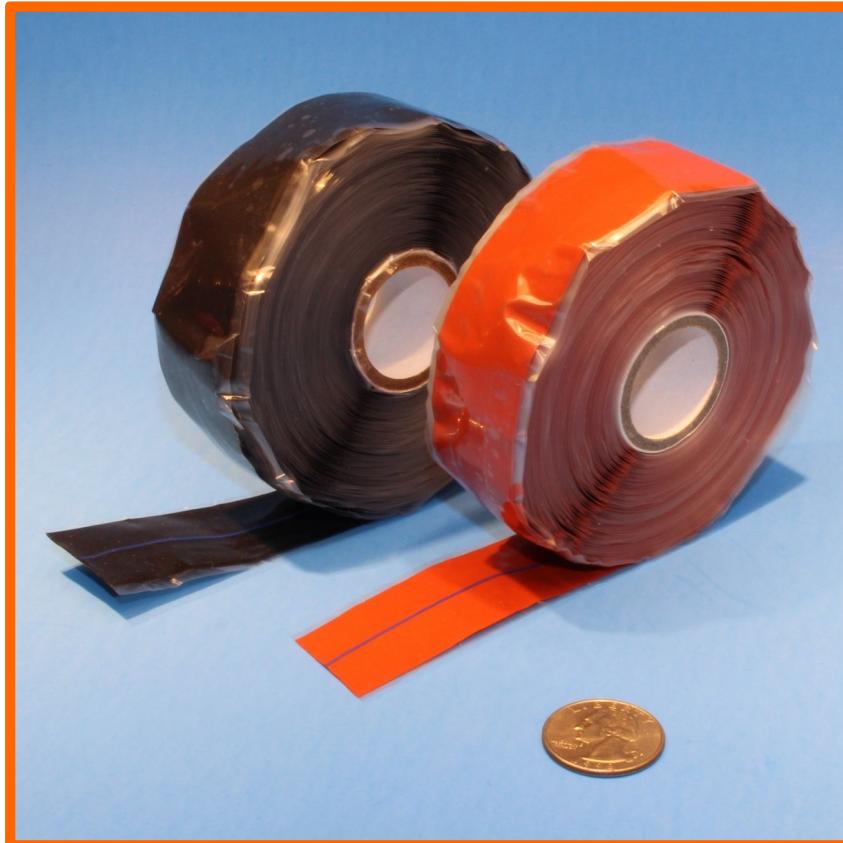
Stretchtape™ is a trademark of Kirkhill-TA / Esterline

## Rockwell International ST0130RB0078 Equivalent Silicone Rubber Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

### FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape

**Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant**



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and AA59163 and other proprietary specifications.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ Rockwell International ST0130RB0078 High Temperature Silicone Rubber Self Fusing Compression/Stretch Tape		
Part Number	Tape Width Inches / mm	Tape Thickness Inches / mm
<b>ST0130RB0078 Type I Tape</b>		
T-SR-ST0130RB0078-1T	As per specification	As per specification
<b>ST0130RB0078 Type II Tape</b>		
T-SR-ST0130RB0078-2R-12	As per specification	0.012 / 0.30
T-SR-ST0130RB0078-2R-15	As per specification	0.015 / 0.38
T-SR-ST0130RB0078-2R-20	As per specification	0.020 / 0.51

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- All versions of ST0130RB0078 are Oxide-Red

These tapes are guaranteed to meet specification for 1 year from date of manufacture providing tapes are stored dry at 21°C +/- 3°C or 70°F +/- 5°F. Standard tapes have an interleaved liner of polyethylene. Polyester liner available.

## Rohr RMS315 Goodrich Aerostructures Silicone Rubber Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

### FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape

**Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant**



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Type I meets Mil-I-22444 and Type II meets Mil-I-46852 and AA59163 specifications.
- Meets FAR 25.853 Appendix F, section a, 1, iv – Horizontal burn rate.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ Rohr Goodrich Aerostructures RMS315 Tape High Temperature Silicone Rubber Self Fusing Compression/Stretch Tape		
Part Number	Tape Width Inches / mm	Tape Thickness Inches / mm
<b>Rohr RMS315 Type I Tape</b>		
T-SR-RMS315-1RS-08-20-XX	1/2 / 13	As per specification
T-SR-RMS315-1RS-16-12-XX	1 / 25	As per specification
<b>Rohr RMS315 Type II Tape</b>		
T-SR-RMS315-2T-20-XX	As per specification	0.020 / 0.51
T-SR-RMS315-2T-30-XX	As per specification	0.030 / 0.76
T-SR-RMS315-2T-A-40-XX	As per specification	0.040 / 1.01
T-SR-RMS315-2T-B-40-XX	As per specification	0.040 / 1.01
T-SR-RMS315-2T-A-50-XX	As per specification	0.050 / 1.27
T-SR-RMS315-2T-B-50-XX	As per specification	0.050 / 1.27
T-SR-RMS315-2T-60-XX	As per specification	0.060 / 1.52
T-SR-RMS315-2T-70-XX	As per specification	0.070 / 1.78
<b>Rohr RMS315 Type III Tape</b>		
T-SR-RMS315-3R	As per specification	As per specification

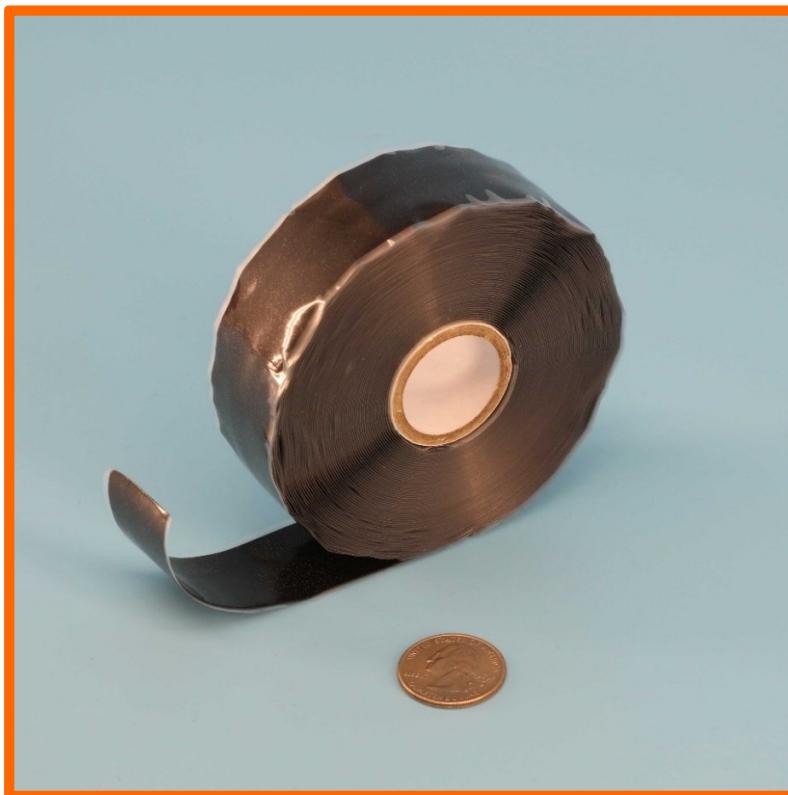
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- For the XX value (color code): OR = Oxide-Red, BK = Black

## Rolls-Royce Allison 23065345 Equivalent Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

Meets MIL-I-46852 / A-A-59163 Specifications

**Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant**



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and AA59163 specifications. C of C.
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available. Tape is black. CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

Rolls-Royce Allison 23065345 Rev B Tape			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
T-SR-RR23065345-RBK	Per specification	Per specification	Per specification

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

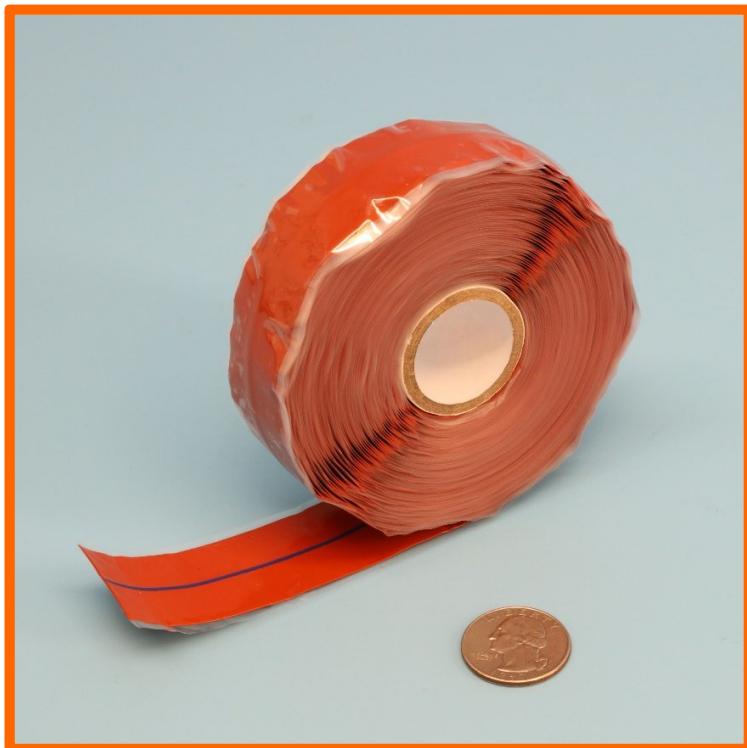
Tested for short duration fluid resistance: Jet Fuel (JP5), Hydraulic Fluid (Skydrol 500B4), Mineral Oil (NATO 0142), Synthetic Oil (NATO 0156), MIL-C-87836 & Foran 141B cleaning fluids, MIL-A-8243 cooling fluid.

## Saint Gobain CHR4440 Silicone Rubber Equivalent Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

**FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape**

**High Temperature, Heat & Flame Resistant**



- CHR4440 tape is oxide-red color.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Used to protect wiring at the backshell clamp from clamping damage. Also provides equalization of strain relief.
- Used to build up the diameter of the wire bundle so that the cable clamp on the backshell will hold the wires in situations where too few wires would have resulted in the clamp not contacting the wires, resulting in strain on the connector's internal pins.
- Meets Mil-I-46852 / AA59163 and other specifications.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ CHR4440 Saint Gobain Equivalent High Temperature Silicone Rubber Self Fusing Compression/Stretch Tape		
Part Number	Tape Width and Thickness Inches / mm	Color
T-SR-CHR4440-16-40-TOR	As per specification	Oxide-Red

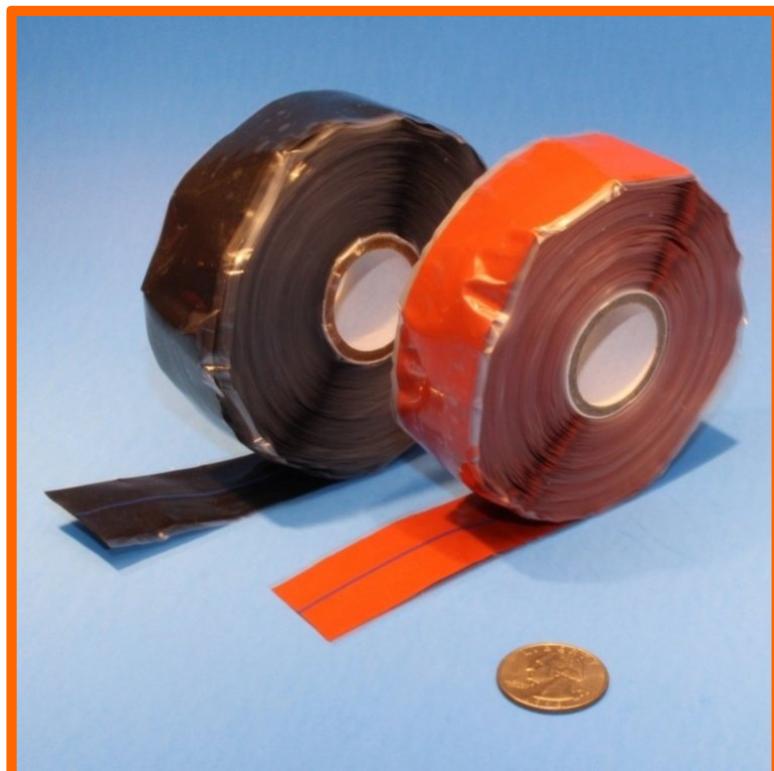
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## Seal-Tite™ P29950 / P28566 / P40630 / P36728 Fusion Wrap equivalent Silicone Elastomer Tape

Meets MIL-I-46852 / A-A-59163 Specifications

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

**Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant**



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold temperature performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Secures insulation to hot air ducting.
- Meets Mil-I-46852 and A-A-59163 specifications. CofC Available.
- Standard length is 36 feet. Longer roll lengths available. Tapes are .020" thick
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

### Seal-Tite™ P29950 / P28566 / P40630 / P36728 Fusion Wrap Equivalent Silicone Rubber Self Fusing Electrical Insulating Tape

Part Number	Tape Width Inches / mm	Tape Length, inches / yards
T-SR-P29950-FL-GY	1 / 25	648 / 18
T-SR-P28566-FL-BK	1 / 25	648 / 18
T-SR-P40630-FL-CL	1 / 25	648 / 18
T-SR-P36728-FL-OR	1 / 25	648 / 18
<hr/>		
T-SR-P29950-SL-GY	1 / 25	432 / 12
T-SR-P28566-SL-BK	1 / 25	432 / 12
T-SR-P40630-SL-CL	1 / 25	432 / 12
T-SR-P36728-SL-OR	1 / 25	432 / 12

- GY = Gray, OR = Oxide-Red, BK = Black, CL = Clear

Seal-Tite™ is a trademark of LAWSON Products

## Simrit® – Freudenberg-NOK Equivalent Silicone Rubber Tape – Reinforced & Controlled Elongation

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

MIL Spec Silicone Rubber Self Fusing Electrical Insulating Tape

Meets MIL-I-22444, MIL-I-46852 / A-A-59163 Specifications

*Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant*



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852 and A-A-59163 specifications. CofC available.
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available. For the XX value (color code): OR = Oxide-Red, BK = Black. For the "Z" Value: Substitute "CT" for Certified Tape or "NC" for Not Certified. Add \$6.00 for individual roll CofC. Lot/Batch CofC \$10.00 per order line item.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

Simrit® Equivalent Silicone Tapes – Reinforced Controlled Elongation Tape Meets MIL-I-22444, MIL-I-46852 / A-A-59163 Specifications: Type I Supported			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
<b>Mil-I-22444 Reinforced Controlled Elongation Tape</b>			
T-SR-SIMRIT-22444-58609-RXX	1 / 25	0.015 / 0.38	I / Rectangular
T-SR-SIMRIT-22444-58607-RXX	1 / 25	0.015 / 0.38	I / Rectangular
T-SR-SIMRIT-22444-58613-RXX	1/2 / 13	0.020 / 0.51	I / Rectangular
T-SR-SIMRIT-22444-58611-RXX	1/2 / 13	0.020 / 0.51	I / Rectangular
T-SR-SIMRIT-22444-58615-RXX	1 / 25	0.020 / 0.51	I / Rectangular
T-SR-SIMRIT-22444-58617-RXX	1 / 25	0.020 / 0.51	I / Rectangular
T-SR-SIMRIT-22444-58621-RXX	1 / 25	0.050 / 1.27	I / Rectangular
T-SR-SIMRIT-22444-58619-RXX	1 / 25	0.050 / 1.27	I / Rectangular

Amalgamating time: At 120°C; 120 minutes / at 150°C; 35 minutes / at 200°C; 20 minutes / at 250°C; 15 minutes

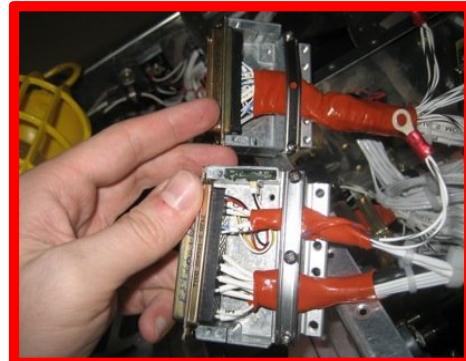
Simrit® is a registered trademark of Freudenberg NOK

## Thomas&Betts Equivalent Self-Fusing Insulation Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

### FlameShield™ Silicone Rubber Isolation Tape

High Temperature, Heat & Flame Resistant



- Equivalent to TBFT201-36 & TBFT421-36 tape.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape. Used to protect wiring at the backshell clamp from clamping damage. Also provides equalization of strain relief.
- Used to build up the diameter of the wire bundle so that the cable clamp on the backshell will hold the wires in situations where too few wires would have resulted in the clamp not contacting the wires, resulting in strain on the connector's internal pins.
- Meets all Mil-I-46852 / A-A-59163 and other proprietary electrical and mechanical specifications. CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

<b>Thomas&amp;Betts Equivalent Self-Fusing Insulation Tape</b> <b>Meets MIL-I-46852 / A-A-59163 / ABS 5334 Specifications - Type I and Type II</b>			
<b>Part Number</b>	<b>Tape Width Inches / mm</b>	<b>Thickness inches / mm</b>	<b>Colour / Type / Profile</b>
T-SR-TBFT201-36-R	1 / 25.4	0.020 / 0.51	Red / II / Triangular
T-SR-TBFT201-36-B	1 / 25.4	0.020 / 0.51	Black / II / Triangular
T-SR-TBFT421-36-R	1 / 25.4	0.040 / 1.02	Red / II / Triangular
T-SR-TBFT421-36-B	1 / 25.4	0.040 / 1.02	Black / II / Triangular

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.

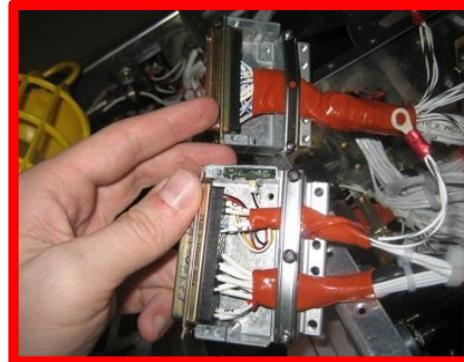
All trademarks and tradenames are property of their respective owners

## Tyco Electronics TE Connectivity 608036 Equivalent Silicone Fusion Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ Silicone Rubber Isolation Tape

High Temperature, Heat & Flame Resistant



- Equivalent to TYCO Electronics TE Connectivity 608036 tape.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape. Used to protect wiring at the backshell clamp from clamping damage. Also provides equalization of strain relief.
- Used to build up the diameter of the wire bundle so that the cable clamp on the backshell will hold the wires in situations where too few wires would have resulted in the clamp not contacting the wires, resulting in strain on the connector's internal pins.
- Meets all Mil-I-46852 / AA59163 and other proprietary electrical and mechanical specifications. CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

Tyco Electronics TE Connectivity Equavalent 608036 Silicone Fusion Tape Meets MIL-I-46852 / A-A-59163 / ABS 5334 Specifications - Type I and Type II			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Colour / Type / Profile
T-SR-TYCO-TE-608036-1 (ST1R236)	1 / 25.4	0.020 / 0.51	Red / II / Triangular
T-SR-TYCO-TE-608036-1B (ST1B236)	1 / 25.4	0.020 / 0.51	Black / II / Triangular
T-SR-TYCO-TE-608036-2 (ST1G236)	1 / 25.4	0.020 / 0.51	Gray / II / Triangular
T-SR-TYCO-TE-608036-4 (ST1G336)	1 / 25.4	0.030 / 0.76	Gray / II / Triangular
T-SR-TYCO-TE-608036-6 (ST14R436)	1.25 / 31.8	0.040 / 1.02	Red / II / Triangular
<b>Guideline Colour on Triangular Tapes Only: .020" = blue / .030" = white / .040" = green</b>			

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.

All trademarks and tradenames are property of their respective owners

## TYT200-1 ColeFlex "No Heat" Equivalent Silicone Rubber Self Fusing Waterproof Insulating Tape

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ - Meets MIL-I-46852 / A-A-59163 & Many Other Proprietary Specifications

*Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant*



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold temperature performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Secures insulation to hot air ducting.
- Meets Mil-I-46852, AA59163 and many proprietary specifications.
- CofC available.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ TYT200-1 ColeFlex "No Heat" Equivalent Silicone Rubber Self Fusing Insulating Tape – Type I and Type II		
Part Number	Tape Width Inches / mm	Tape Thickness inches / mm
TYT200-1 Type I & Type II		
T-SR-TYT200-1-36-X-YY	1 / 25	0.020 / 0.51
T-SR-TYT200-1-14-X-ZZ	1 / 25	0.020 / 0.51

- For the X value (Type): I = Type I; II = Type II
- For the YY value (color code): OR = Oxide-Red, BK = Black
- For the ZZ value (color code): OR = Oxide-Red, BK = Black, WH = White, BU = Blue, GR = Green, YL = Yellow
- T-SR-TYT200-1-36 is a stock item; T-SR-TYT200-1-14 minimum order 36 rolls

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## UL 94 V-0 Flammability Standards Silicone Tape

Operating temperature 400°F / 204°C:

### FlameShield™ Silicone Rubber Self Fusing Compression & Stretch Electrical Insulating Tape – Flame Retardant

*Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant*



- Produced with UL V-0 recognized flame retardant silicone rubber compound.
- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing upon contact, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets A-A-59163 and other proprietary specifications.
- -65°F / -51°C low temperature range.
- CofC available.
- Only available in a brown color.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ Flame Resistant High Temperature Silicone Self Fusing Compression/Stretch Electrical Insulating Tape Meets UL 94 V-0 Flame Test Standards and A-A-59163 Specifications			
Part Number	Tape Width Inches / mm	Thickness inches / mm	Type / Profile
T-SR-UL-16-RXX-10	1 / 25	0.010 / 0.25	I / Rectangular
T-SR-UL-16-RXX-20	1 / 25	0.020 / 0.51	I / Rectangular
T-SR-UL-16-RXX-30	1 / 25	0.030 / 0.76	I / Rectangular
T-SR-UL-16-RXX-40	1 / 25	0.040 / 1.02	I / Rectangular

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres
- For the XX value (color code): BK = Black, BR = Brown

**Vulko-Wrap™ 98412 / 98412 / 98512 / 18412 Insulating Wrap Equivalent**  
**Maximum operating temperature 400°F / 204°C**  
**Self-vulcanizing Silicone Rubber Self Fusing Compression & Stretch Electrical**  
**Insulating Tape**  
**Self Binding Self-Fusing Tape - High Temperature, Heat & Flame Resistant**



- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts fusing within minutes, fully bonded within hours. Excellent cold weather performance. Makes an excellent compression tape.
- Excellent for sealing ends of firesleeve: prevents sleeve from absorbing contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening.
- Meets Mil-I-46852, A-A-59163, MIL-I-22444 and other proprietary specifications.
- Dielectric strength is 300 volts per mil for the 0.040" thick tape and 275 volts per mil for the 0.050" thick tape.
- This equivalent tape meets the same standards and specification as the OEM Vulko-Wrap™.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

<b>Vulko-Wrap™ Equivalent Insulating Wrap Tape meeting MIL-I-46852 &amp; A-A-59163 specifications</b>		
<b>Part Number</b>	<b>Tape Width Inches / mm</b>	<b>Tape Thickness Inches / mm</b>
T-SR-98412 / T-SR-98412D (Yellow)	1" / 25.4mm	40 mils (0.040")
T-SR-98412BK / T-SR-98412BKD (Black)	1" / 25.4mm	40 mils (0.040")
T-SR-98412OR / T-SR-98412ORD (Red)	1" / 25.4mm	40 mils (0.040")
T-SR-98512 / T-SR-98512D (Yellow)	1.5" / 51mm	50 mils (0.050")
T-SR-98512BK / T-SR-98512BKD (Black)	1.5" / 51mm	50 mils (0.050")
T-SR-98512OR / T-SR-98512ORD (Red)	1.5" / 51mm	50 mils (0.050")
<b>Vulko-Wrap™ Equivalent Insulating Wrap Tape meeting MIL-I-22444 specifications</b>		
T-SR-18412 (Black)	1" / 25.4mm	40 mils (0.040")
T-SR-18412OR (Oxide-red)	1" / 25.4mm	40 mils (0.040")

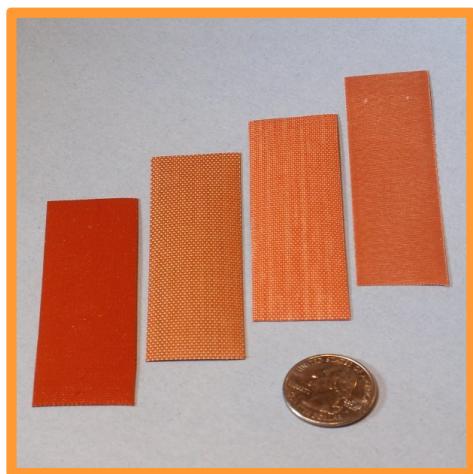
- The part number with the letter "D" at the end indicates a 5 roll pack
- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- Other colors of this tape are available

All tradenames and trademarks are property of their respective owners

## GE and EMD Coil Winding Encapsulating Tape – Semi Cured & Uncured Bonding Layers

Operating temperature: -65°F to +500°F / -54°C to 260°C; Brittle temperature -85°F / -65°C

FlameShield™ Silicone Rubber Meets GE and EMD specifications for traction motors:  
Many others available



- Available with several construction options:
  - 1) A fibreglass substrate with cured silicone rubber on both sides (one side has a thinner coating layer), with an additional uncured layer on top of the cured layer on one side. Has an interleave.
  - 2) A fibreglass substrate with semi-cured silicone rubber on one side. No interleave.
- Curing: most require a cure cycle of 350F at 50psi for 15 minutes. Post Cure Cycle: 2 to 3 hours at 375-410F. See specific tape data for its curing instructions.
- CofC available.
- Product is produced as a 36" wide log, from which the tape widths are slit. Typical tape widths are 0.75, 1.00, 1.25 and 1.5". Any other width is available. Complete logs available.
- Photo shows a few of the different versions of available tape, with different substrates weave sizes visible through the thin side coating.
- Meets 14 CFR 25.853(a) at amendment 25-116; Appendix F, Part I(a)(1)(i) (60 Second Vertical Flammability Test).

FlameShield™ Coil Winding Encapsulating Tape		
Part Number	OEM Part Number	Tape Thickness Inches / mm
T-SRUC-84	GE 84A210606P154 GE 84A210606P157	0.020 / 0.51
T-SRUC-41	GE 41A239176P70 GE 41A239176P71	0.015 / 0.38
T-SRUC-82	EMD 8205562 EMD 8227441 EMD R718024	0.015 / 0.38
T-SRUC-71	EMD R718051 / EMD R718077 EMD 8220410 / EMD 40100391 EMD 8257527	0.020 / 0.51
T-SRUC-21	GE 21261	0.020 / 0.51
T-SRUC-158	GE 84A210606P158	0.011 / 0.28

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres; other lengths available.
- All versions are Oxide-Red

These tapes are also used to form various flexible structures such as ducting. They can be wrapped over forms and then cured.