

Fiberglass Tape with PTFE Resin Impregnation & Self Adhesive 500°F / 260°C: Tuff-Flex™ High Temperature & Chemical Resistant with Smooth Non-Stick Surface - Premium Grade & Industrial Grade



- This tape is made by slitting our PTFE resin impregnated fiberglass fabric. Available with and without backing media on the adhesive side. Available with Acrylic or Silicone adhesive.
- Provides excellent chemical resistance and superior electrical insulation. Used as a low friction release tape for heat sealing bars and other packaging applications.
- Used on various machinery parts to provide a smooth stick-free surface such as on production line runners and guides for easy product and parts conveyance.
- Used as an electrical tape for high insulation and high temperature performance.
- Premium Grade is an exceptionally smooth surface with a higher PTFE content than Industrial Grade.
- Temperature range: Silicone adhesive tape -100°F to +500°F (-73°C to +260°C). Acrylic adhesive tapes -40°F to +350°F (-40°C to +177°C).

Fiberglass Tape with PTFE Resin Impregnation & Self Adhesive (Continued)
500°F / 260°C: Tuff-Flex™ High Temperature & Chemical Resistant with Smooth
Non-Stick Surface - Premium Grade & Industrial Grade



Tuff-Flex™ High Temperature, Heat & Chemical Resistant Fiberglass Tape with PTFE Resin Impregnation & Self Adhesive: Premium Grade		
Part Number	Width in / mm	
T-FG-PTRI-P-M013-08-X-Y-Z	.5	13
T-FG-PTRI-P-M019-12-X-Y-Z	.75	19
T-FG-PTRI-P-M025-16-X-Y-Z	1.0	25
T-FG-PTRI-P-M032-20-X-Y-Z	1.25	32
T-FG-PTRI-P-M038-24-X-Y-Z	1.5	38
T-FG-PTRI-P-M051-32-X-Y-Z	2.0	51
T-FG-PTRI-P-M064-40-X-Y-Z	2.5	64
T-FG-PTRI-P-M076-48-X-Y-Z	3.0	76

Custom slitting available up to a maximum of 36 inches.

- For the "X" value in the part number, use "3" for .003", "5" for .005", "6" for .006", "10" for .010", "14" for .014". Thickness does not include adhesive layer thickness.
- For the "Y" value specify "A" or "S" in the part number to correspond to the desired adhesive:
A = Acrylic S = Silicone
- For the "Z" value in part number: use "BP" to order with backing media or "NP" for no backing media
Silicone backing paper is yellow, acrylic backing paper is blue. Same price with or without backing.
- All standard tapes are 36 yards. 18 yard rolls are available
- Adhesive thickness of Acrylic is .002". Silicone adhesive is .0022" thick for .003 & .005 tape and .0030" thick for all others.
- Dielectric (kV). .003" S = 5 / A = 4.5; .005" S = 7.5 / A = 7; .006" S = 8.5 / A = 8.5; .010" S = 9.5 / A = 9.
(S = Silicone / A = Acrylic).
- Tensile Strength Warp/Fill (lbs/in); Silicone; .003" = 95/55; .005" = 140/130; .006" = 150/115; .010" = 325/235
Acrylic; .003" = 95/55; .005" = 125/130; .006" = 150/150; .010" = 325/235
- Tear Strength Warp/Fill (lbs/in); Silicone .003" = 1.5/0.9; .005" = 2.2/1.7; .006" = 2.1/1.8; .010" = 7.5/4.0
Acrylic; .003" = 1.5/0.9; .005" = 1.8 / 1.7; .006" = 2.1 / 1.7; .010" = 7.5 / 4.0

The PTFE resin is applied to the base fabric in a hot process and under pressure, causing a total impregnation of the base fabric. The surface of the resin is smooth and it takes considerable and aggressive force to scratch the PTFE surface to remove it from the fabric with fingernail scraping.

Fiberglass Tape with PTFE Resin Impregnation & Self Adhesive (Continued)
500°F / 260°C: Tuff-Flex™ High Temperature & Chemical Resistant with Smooth Non-Stick Surface - Industrial Grade



Tuff-Flex™ High Temperature, Heat & Chemical Resistant Fiberglass Tape with PTFE Resin Impregnation & Self Adhesive: Industrial Grade		
Part Number	Width in / mm	
T-FG-PTRI-I-M013-08-X-Y-Z	.5	13
T-FG-PTRI-I-M019-12-X-Y-Z	.75	19
T-FG-PTRI-I-M025-16-X-Y-Z	1.0	25
T-FG-PTRI-I-M032-20-X-Y-Z	1.25	32
T-FG-PTRI-I-M038-24-X-Y-Z	1.5	38
T-FG-PTRI-I-M051-32-X-Y-Z	2.0	51
T-FG-PTRI-I-M064-40-X-Y-Z	2.5	64
T-FG-PTRI-I-M076-48-X-Y-Z	3.0	76

Custom slitting available up to a maximum of 36 inches.

- For the "X" value in the part number, use "3" for .003, "5" for .005, "6" for .006, "10" for .010, "14" for .014
- For the "Y" value specify "A" or "S" in the part number to correspond to the desired adhesive
A = Acrylic S = Silicone
- For the "Z" value in part number: use "BP" to order with backing media or "NP" for no backing media
Silicone backing paper is yellow, acrylic backing paper is blue. Same price with or without backing.
- Dielectric (kV). .003" S = 5 / A = 4.5; .005" S = 7.5 / A = 7; .006" S = 8.5 / A = 8.5; .010" S = 9.5 / A = 9; .014" S = 10.5 / A = 9 (S = Silicone / A = Acrylic).
- Tensile Strength Warp/Fill (lbs/in); Silicone; .003" = 95/55; .005" = 140/130; .006" = 150/115; .010" = 325/235; .014" = 440/250
Acrylic; .003" = 95/55; .005" = 125/130; .006" = 150/150; .010" = 325/235; .014" = 440/250
- Tear Strength Warp/Fill (lbs/in); Silicone .003" = 1.5/0.9; .005" = 2.2/1.7; .006" = 2.1/1.8; .010" = 7.5/4.0; .014" = 7.0/5.0
Acrylic; .003" = 1.5/0.9; .005" = 1.8 / 1.7; .006" = 2.1 / 1.7; .010" = 7.5 / 4.0; .014" = 7.0/5.0
- All standard tapes are 36 yards. 18 yard rolls are available.
- Adhesive thickness of Acrylic is .002". Silicone adhesive is .0022" thick for .003 & .005 tape and .0030" thick for all others.

The PTFE resin is applied to the fabric in a hot process and under pressure, causing a total impregnation of the base fabric. The surface of the resin is smooth and it takes considerable and aggressive force to scratch the ptfе surface to remove it from the fabric with fingernail scraping.