

High Temperature Heat Resistant Sewing Thread

Kevlar® - Nomex® - Fiberglass - Quartz - Stainless



These threads are widely used in the fabrication and sewing of anything requiring high temperature capability. They are used in our own fabrication shops and we have years of experience in knowing what threads are used for which applications. Quality thread made in USA & Canada.

- Nomex® continuous is 662°F short term to 800°F.
- Kevlar® continuous is 320°F short term to 600°F.
- Fiberglass with ptfе coating continuous is 1100°F short term to 1400°F.
- 304 / Inox Stainless continuous is 1200°F short term to 1400°F.
- Quartz continuous is 1800°F short term to 2000°F.
- Alumina continuous is 2200°F short term to 2300°F.

Kevlar® and Nomex® are registered trademarks of DuPont.

Filament Kevlar® High Temperature Heat Resistant Sewing Thread
Meets MIL-T-87128 & A-A-55220



Kevlar is a high temperature resistant aramid fiber having a unique combination of toughness, high strength and thermal stability.

Both continuous multifilament and spun versions are available for a variety of sewing operations.

Continuous multifilament is available in both soft and bonded, but only in natural yellow color.

Spun thread is available in a range of dyed colors, and some of the larger sizes are also available glazed.

Excellent resistance to mildew and aging. Prolonged exposure to sunlight causes deterioration, but the fibers are self-screening. Good abrasion resistance.

FlameShield™ High Temperature & Heat Resistant Kevlar® Sewing Thread
Filament Kevlar® - All Spools are 1 pound / 455 grams - Color Yellow

Part Number	MIL-T-87128 Designation	Size	TEX	Diameter inch	Break Strength, Lbs	Yards per Lb
FAB-TH-KF-40-X	B/2 (200 x 2)		40		14	10,000
FAB-TH-KF-60-X	E/3 (200 x 3)		60	.008	23	6,700
FAB-TH-KF-80-X	F/4 (200 x 4)		80		30	5,000
FAB-TH-KF-120-X	FF/3 (400 x 3)		120	.012	45	3,350
FAB-TH-KFB-160	N/A		160		57	2,368
FAB-TH-KF-210-X	3 (400 x 5)		210		64	2,000
FAB-TH-KF-400-X	5 (1000 x 4)		400		135	950
FAB-TH-KF-500-X	6 (1500 x 3)		500		150	850
FAB-TH-KF-800-X	8 (1500 x 5)		800		225	500

- For the "X" Value, Specify B for Bonded, or P for Plain. Add \$22.61 per spool for bonded
- Also meets A-A-55220

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Spun Kevlar® High Temperature Heat Resistant Sewing Thread



Kevlar is a high temperature resistant aramid fiber having a unique combination of toughness, high strength and thermal stability.

Both continuous multifilament and spun versions are available for a variety of sewing operations.

Continuous multifilament is available in both soft and bonded, but only in natural yellow color.

Spun thread is available in a range of dyed colors, and some of the larger sizes are also available glazed.

Excellent resistance to mildew and aging. Prolonged exposure to sunlight causes deterioration, but the fibers are self-screening. Good abrasion resistance.

Spun Kevlar is in compliance with the Canadian Standards CAN/CGSB 155.1-98 and CAN/CGSB 155.22-97. Meets requirements of NFPA 1971-1991 Standard on Protective clothing and NFPA 1974-1994 Standard on Fire Fighters Uniforms.

Kevlar® is certified by Underwriters Laboratories Inc. for use in protective clothing.

FlameShield™ High Temperature & Heat Resistant Kevlar® Sewing Thread					
Spun Kevlar® - All Spools are 1 pound / 455 grams - Color Yellow					
Part Number	Size	TEX	Diameter inch	Break Strength, Lbs	Yards per Lb
FAB-TH-KS-35-Y	30/2	35			12,000
FAB-TH-KS-40-Y	30/2	40	0.004"	7	12,000
FAB-TH-KS-50-Y	30/3	50			8,000
FAB-TH-KS-60-Y	30/3	60	0.006"	10	8,000
FAB-TH-KS-70-Y	30/4	70	0.007"	13	5,700
FAB-TH-KS-90-X-Y	30/5	90			5,000
FAB-TH-KS-100-X-Y	30/5	100	0.008"	17	4,800
FAB-TH-KS-105-X-Y	30/6	105			4,000

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- For the "X" Value, Specify B for Glazed, or P for Plain. Add \$19.34 per spool for bonded
- For the "Y" Value, Specify N for Natural, and C for Colored. Add \$41.72 per spool for color.

Filament Nomex® and Spun Nomex® High Temperature Heat Resistant Sewing Thread

Meets MIL-T-83193B Type I



Nomex is a high temperature resistant fiber having a unique combination of toughness, high strength and thermal stability.

Both continuous multifilament and spun versions are available for a variety of sewing operations.

Continuous multifilament is available in both soft and bonded, but only in natural yellow color.

Spun thread is available in a range of dyed colors, and some of the larger sizes are also available glazed.

Excellent resistance to mildew and aging. Prolonged exposure to sunlight causes deterioration, but the fibers are self-screening. Good abrasion resistance.

FlameShield™ High Temperature & Heat Resistant Sewing Thread Filament & Spun Nomex

Part Number	Material	Size	TEX	Diameter inch	Break Strength, Lbs	Yards per Lb
FAB-TH-NS-27	Spun Nomex		27		1.6	14,000
FAB-TH-NS-35	Spun Nomex		35		2.0	12,000
FAB-TH-NS-40	Spun Nomex		40		2.8	9,300
FAB-TH-NS-50	Spun Nomex		50		3.0	8,200
FAB-TH-NS-70	Spun Nomex		70		4.5	6,200
FAB-TH-NS-25* #	Spun Nomex	25	90	0.009"	6	4,850
FAB-TH-NB-69-N %	Bonded Nomex	69	60	0.011"	7.2	7,000
FAB-TH-NB-70-X #	Bonded Nomex	70	70	0.013"	8	4,850

Complies with CAN/CGSB-155.1-98 / CAN/CGSB-155.22-97, Meets Mil-T-83193 & A-A-55217.

% Meets A-A-50195, Mil-T-43436

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High Temperature Heat Resistant Sewing Thread

Fiberglass - Quartz - Stainless



FlameShield™ High Temperature & Heat Resistant Sewing Thread								
Part Number	Material	Size	TEX	Diameter inch	Spool Weight, Lbs	Break Strength, Lbs	Yards per Lb	Natural Color
FAB-TH-FG-12	E-Fiberglass**	12	150	0.015"	2	18	2700	Gray
FAB-TH-FG-18 ****	E-Fiberglass**	18	210	0.017"	2	24	1800	Gray
FAB-TH-FG-24 *****	E-Fiberglass**	24	300	0.020"	2	30	1300	Gray
FAB-TH-FGINC-18	Fiberglass w/inconel**	18	210	0.100"	2	24	1800	Gray
FAB-TH-FGINC-24	Fiberglass w/inconel**	24	300	0.130"	2	30	1300	Gray
FAB-TH-QTZ-12	Quartz	12	150	0.014"	1	18	3450	Tan
FAB-TH-QTZ-18	Quartz	18	210	0.017"	1	24	2300	Tan
FAB-TH-QTZ-24	Quartz	24	300	0.020"	1	30	1700	Tan
FAB-TH-SSK-1064	3 strand Inox Stainless - Kevlar wrapped	1064	120	0.007"	2	28	4200	Yellow
FAB-TH-SSP-1064	10 strand 304 Stainless - Polyester wrapped	1064	120	.0145"	2	8	2150	White
FAB-TH-AL-31	Alumina	30		.031"	0.75		750	White

• For the "X" value, Specify NAT for Natural, BLK for Black

* Available Natural, Black, Orange, Red, Green ** Coated with PTFE *** Meets A-A-55220 & MIL-T-87128

**** Meets MIL-Y-1140C (Form 1, Class C) ***** Meets MIL-C-20079 (Type 3, Class 3)

Complies with CAN/CGSB-155.1-98 / CAN/CGSB-155.22-97, Meets Mil-T-83193 & A-A-55217.

% Meets A-A-50195, Mil-T-43436