

HIGH TEMP ENGINEERING HANDBOOK

FIL-TEC™

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ISO9001:2015 Registered

FIBERGLASS ROPE



High Temperature Rope Seals are:

Highly Compressible

Knit to minimize fray

Made in U.S.A.

Popular applications include door seals, tie cord, wood and pellet stoves, gas stoves and fireplaces, furnace & boiler seals, and kiln seals.

Available with graphite, PTFE, stainless steel jacket, inconel core and heat treated. See back cover for definitions of available options.

Low Density Fiberglass Rope Specifications

LD-1 Low Density Rope

Style / Dimensions	Yield FT / LB (Meters / Kg)	FT / Case (Meters / Case)
LD-1 - .187" (4,8mm)	210' (140 M)	5500' (1675 M)
LD-1 - .250" (6,4 mm)	85' (57 M)	3000' (915M)
-	-	-
-	-	-
LD-1 - .375" (9, 5 mm)	46' (31 M)	2000' (610 M)
LD-1 - .500" (12, 7 mm)	30' (20 M)	1350' (410 M)
LD-1 - .625" (15,9 mm)	20' (13,4 M)	900' (275 M)
LD-1 - .750" (19 mm)	16.5' (11 M)	800' (245 M)
LD-1 - .800" (21 mm)		
LD-1 - .875" (22 mm)	7' (4,7 M)	330' (100 M)
LD-1 - 1.00" (25,4 mm)	10.5' (7 M)	500' (150 M)
LD-1 - 1.25" (32 mm)	6.3' (4,2 M)	300' (90 M)
-	-	-
-	-	-

LD-2 Low Density Rope

Style / Dimensions	Yield FT / LB (Meters / Kg)	Feet / Case (Meters / Case)
-	-	-
LD-2 - .250" (6,4 mm)	73' (49 M)	2250' (690 M)
LD-2 - .312" (7,9 mm)	59' (39,6 M)	2500' (760 M)
LD-2 - .360" (9,1 mm)	32.5' (21,8 M)	1600' (490 M)
LD-2 - .375" (9, 5 mm)	35' (23,5 M)	1600' (490 M)
LD-2 - .500" (12, 7 mm)	23' (15,4 M)	1000' (305 M)
LD-2 - .625" (15,9 mm)	17' (11,4 M)	800' (245 M)
LD-2 - .750" (19 mm)	12' (8 M)	600' (180 M)
LD-2 - .800" (21 mm)	8.6' (5,8 M)	400' (122 M)
LD-2 - .875" (22 mm)	5.7' (5,8 M)	265' (80 M)
LD-2 - 1.00" (25,4 mm)	5.7' (3,8 M)	265' (80 M)
LD-2 - 1.25" (32 mm)	2.6' (1,75 M)	120' (40 M)
LD-2 - 1.50" (38 mm)	1.87' (1,25 M)	90' (25 M)
LD-2 - 2.0" (50,8 mm)	3.0' (2 M)	150' (46 M)

Medium & High Density Fiberglass Rope Specifications

Medium Density Rope

Style / Dimensions	Yield FT / LB (Meters / Kg)	FT / Case (Meters / Case)
-	-	-
-	-	-
MX - .250" (6,4 mm)	60' (40 M)	2500' (760 M)
MD- 250	53' (36 M)	1900' (580 M)
-	-	-
MX - .375" (9,5 mm)	30' (20 M)	1400' (430 M)
MD - .375" (9,5 mm)	44.6' (30 M)	1600' (490 M)
MX - .50" (12,7 mm)	17' (11,4 M)	800' (245 M)
MD - .50" (12,7 mm)	23' (14,4 M)	1100' (335 M)
MD - .625" (15,9 mm)	11' (7,4 M)	550' (165 M)
MD - .75" (19 mm)	8.7' (5,8 M)	400' (120 M)
-	-	-
-	-	-

High Density Rope

Style / Dimensions	Yield FT / LB (Meters / Kg)	Feet / Case (Meters / Case)
FNS - .125" (3,2 mm)	153' (103 M)	8800' (2680 M)
TNS - .187" (4,8mm)	109' (73 M)	6000' (1830 M)
HD - .250" (6,4 mm)	77' (52 M)	3300' (1005 M)
HD - .250" (6,4 mm) EX	58' (36 M)	2600' (792 M)
HD - .312" (7,9 mm)	48' (32,3 M)	2200' (670 M)
HD - .375" (9,5 mm)	23' (15,4 M)	1000' (305 M)
HD - .50" (12,7 mm)	14.7' (9,9 M)	735' (224 M)
	13' (8,7 M)	650' (200 M)
XL - .625" (15,9 mm)	11.8' (7,9 M)	500' (150 M)
HD - .625" (15,9 mm)	8.3' (5,6 M)	400' (120 M)
HD - .75" (19 mm)	6.5' (4,4 M)	300' (90 M)
HD - 1.00" (25,4 mm)	3.5' (2,3 M)	167' (50 M)
HD - 1.25" (32 mm)	2' (1,3 M)	100' (30 M)

Rope density defines the relative hardness and compressibility of the rope. In general, a low density rope is soft and very compressible and a high density is hard and much less compressible.

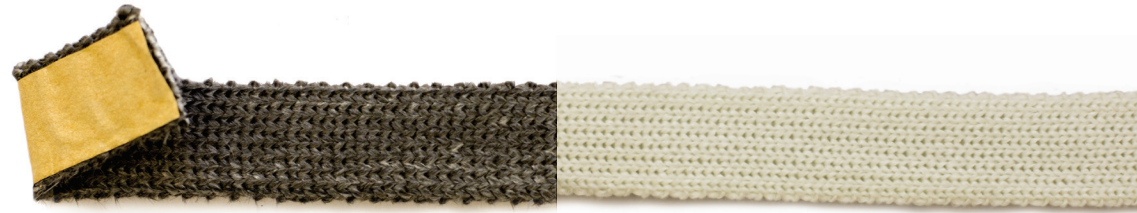
Specifications are for plain white fiberglass ropes

Minimum order qty: 1 Case

FIBERGLASS TAPE

Fiberglass Knit Tape

Type V-125



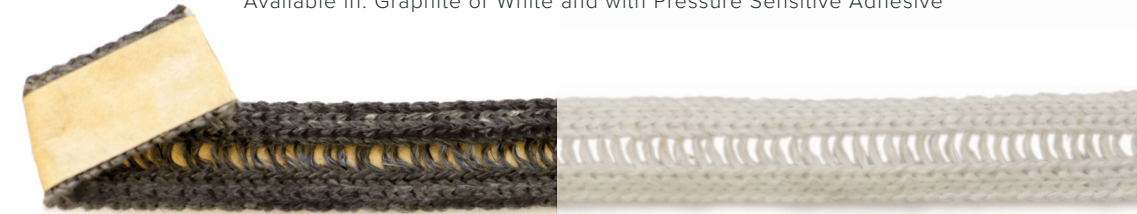
Available in: Graphite or White and with Pressure Sensitive Adhesive

Type K-Tape



Available in: Graphite or White and with Pressure Sensitive Adhesive

Bolt Hole Type BH-125



Available in: Graphite or White and with Pressure Sensitive Adhesive

Type V-1/4



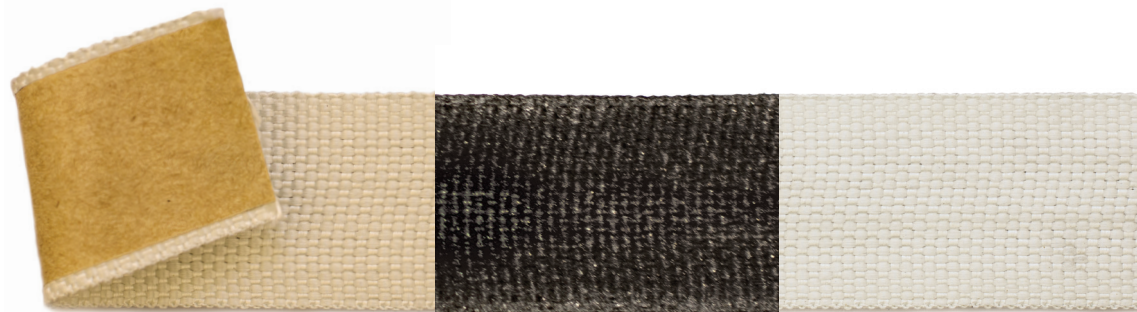
Available in: Graphite or White and with Pressure Sensitive Adhesive

Window Tape



Available in: Graphite and with Pressure Sensitive Adhesive

Fiberglass Woven Tape



Available in: Heat Treated, Graphite or White and with Pressure Sensitive Adhesive

Popular applications include high temp air seals and gaskets, window and door seals in gas and wood stoves and fireplaces, furnace oven and boiler seals, pipe and insulation wrap automotive exhaust wraps and insulations. See back cover for definitions of available options.

Fiberglass Knit Tape Specs.

Specifications for all tapes are for plain white fiberglass. Minimum order qty: 1 Case

Type V-125

Width Inches (mm)	Thickness Inches (mm)	Yield FT / LB (Meters / Kg)	FT / Spool (Meters / Spool)	Spools Per Case
.312" (8 mm)	.125" (3,2 mm)	134.5 (90 M)	1800' (549 M)	3
.50" (12,7 mm)	.125" (3,2 mm)	78' (52 M)	100' (30 M)	28
.625" (15,9 mm)	.125" (3,2 mm)	58' (52 M)	100' (30 M)	20
.75" (19 mm)	.125" (3,2 mm)	46' (31 M)	100' (30 M)	15
1.0" (25,4 mm)	.125" (3,2 mm)	33' (22 M)	100' (30 M)	15
1.25" (32 mm)	.125" (3,2 mm)	29' (19,5 M)	100' (30 M)	15
1.5" (38 mm)	.125" (3,2 mm)	23' (15,4 M)	100' (30 M)	10
2.0" (50,8 mm)	.125" (3,2 mm)	18' (12 M)	90' (27 M)	8
2.5" (63,5 mm)	.125" (3,2 mm)	13.4' (9 M)	90' (27 M)	6
3.0" (76,2 mm)	.125" (3,2 mm)	10.5' (7 M)	90' (27 M)	5
4.0" (101,6 mm)	.125" (3,2 mm)	8.7' (5,8 M)	90' (27 M)	4
5.0" (127 mm)	.125" (3,2 mm)	6.5' (4,4 M)	80' (24 M)	3
6.0" (152,4 mm)	.125" (3,2 mm)	5.7' (3,8 M)	80' (24 M)	3

Type K-Tape

Width Inches (mm)	Thickness Inches (mm)	Yield FT / LB (Meters / Kg)	Qty. / Case (Meters)
.375" (9,5 mm)	.187" (4,8 mm)	64' (43 M)	2900' (880 M)
.625" (15,9 mm)	.187" (4,8 mm)	45' (30 M)	2000' (610 M)
1.0" (25,4 mm)	.187" (4,8 mm)	45' (30 M)	2000' (610 M)
.625" (15,9 mm)	.25" (6,4 mm)	28' (22 M)	1300' (400 M)
1.0" (25,4 mm)	.25" (6,4 mm)	15' (10 M)	600' (180 M)

Bolt Hole (Drop Warp) Type BH-125

Width (mm)	Thickness Inches (mm)	Yield FT / LB (Meters / Kg)	FT / Spool (Meters / Spool)	Spools Per Case
.75" (19 mm)	.125" (3,2 mm)	62' (41,6 M)	100' (30 M)	20
1.0" (25,4 mm)	.125" (3,2 mm)	54' (36 M)	100' (30 M)	15
1.5" (38 mm)	.125" (3,2 mm)	35' (31 M)	100' (30 M)	10
2.0" (50,8 mm)	.125" (3,2 mm)	25' (17 M)	100' (30 M)	8
2.5" (63,5 mm)	.125" (3,2 mm)	19' (12,8 M)	100' (30 M)	6
3.0" (75,2 mm)	.125" (3,2 mm)	17' (11,4 M)	100' (30 M)	5

Type V-1/4

.50" (12,7 mm)	.25" (6,4 mm)	36' (24 M)	1730' (530 M)
.75" (19 mm)	.25" (6,4 mm)	19.4' (13 M)	1000' (305 M)
1.0" (25,4 mm)	.25" (6,4 mm)	22' (13 M)	1050' (320 M)

Window Tape Specs.

Style	Width Inches (mm)	Thickness Inches (mm)	Yield FT / LB (Meters / Kg)	Spools Per Case
WT187X.625	.625" (15,9 mm)	.187" (4,8 mm)	53' (36 M)	20
WT187X.750	.750" (19 mm)	.187" (4,8 mm)	50' (34 M)	15
WT187X.1.00	1.00" (25,4 mm)	.187" (4,8 mm)	44.5' (30 M)	15
KW197X.625	.625" (15,9 mm)	.197" (5 mm)	44' (30 M)	20
KW197X.875	.875" (22,2 mm)	.197" (5 mm)	27' (18 M)	15
WT125X.750	.750" (19 mm)	.125" (3,2 mm)	74' (50 M)	15

Fiberglass Woven Tape Specs. Type W0626 or W125 - Bolt Hole Available in limited Widths

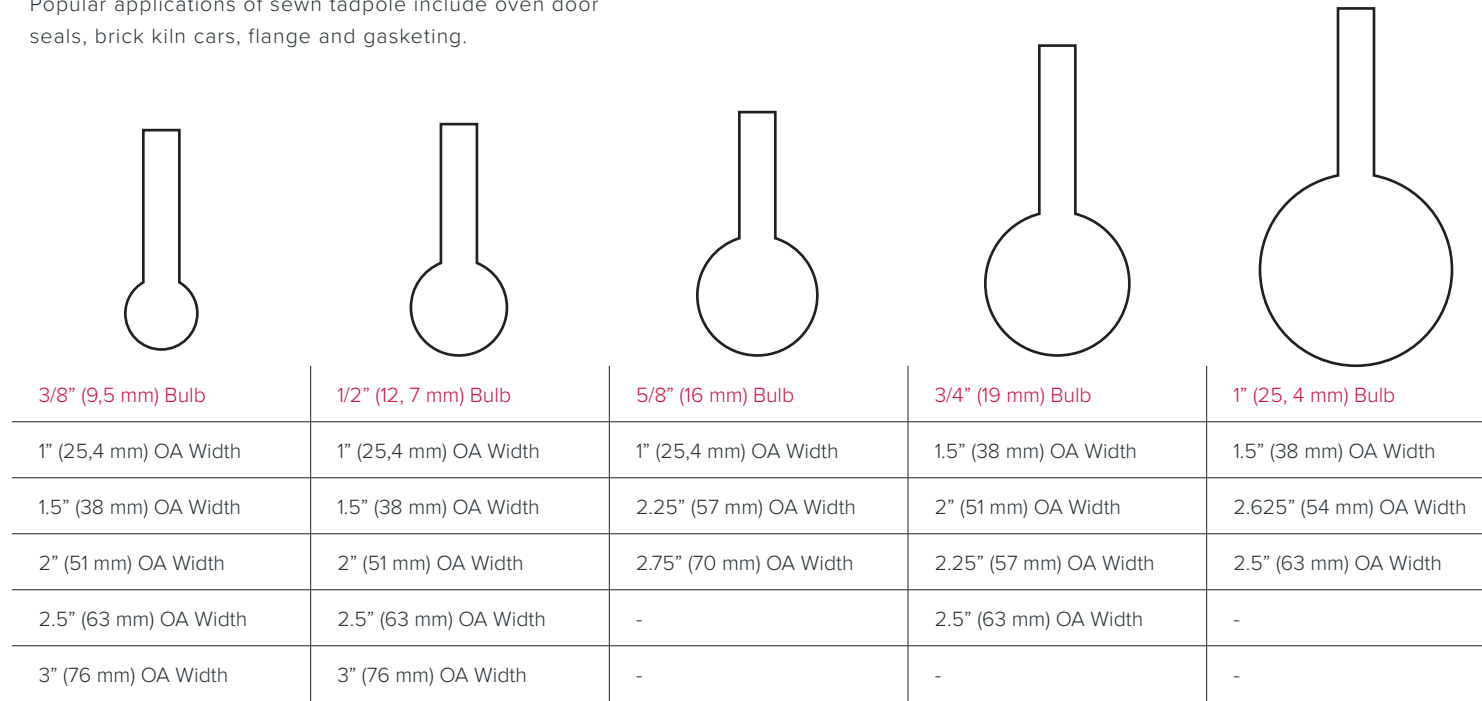
Width Inches (mm)	Thickness Inches (mm)	W0625 - Feet / Case (Meters)	W125 - Feet / Case (Meters)	
.50" (12,7 mm)	.062" (1,6 mm)	3700' (1130 M)	-	
.75" (19 mm)	.062" (1,6 mm)	5500' (1675 M)	-	
1.0" (25,4 mm)	.062" (1,6 mm)	2725' (830 M)	1600' (490 M)	Bolt Hole Avail.
1.5" (38 mm)	.062" (1,6 mm)	1500' (460 M)	1000' (305 M)	Bolt Hole Avail.
2.0" (50,8 mm)	.062" (1,6 mm)	1200' (365 M)	800' (245 M)	Bolt Hole Avail.
2.5" (63,5 mm)	.062" (1,6 mm)	600' (180 M)	700' (210 M)	Bolt Hole Avail.
3.0" (76,2 mm)	.062" (1,6 mm)	500' (150 M)	600' (180 M)	Bolt Hole Avail.

FIBERGLASS TADPOLE GASKET



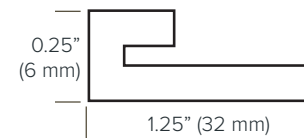
Sewn Size Tadpole Options

Popular applications of sewn tadpole include oven door seals, brick kiln cars, flange and gasketing.



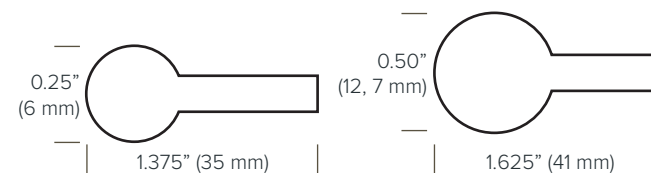
Knit Fold-Over

Popular applications for knit include wood & gas fireplace window seals.



Woven One-Piece

Popular applications for woven one piece include wood & gas fireplace window seals.





MADE IN AMERICA

Fil-Tec has been innovating the fibers of your home, work and play for over 36 years. In your home, our sewing thread products can be found in your sofa, mattress and comforter. You will find our embroidery threads decorating your favorite shirt or hat. At night, our wicks illuminate the candles in your home. Our cable and fiber-optic yarns help deliver electricity, internet and phone service for homes and businesses worldwide. Our specialty filtration products are critical components to

the systems that clean and protect our environment, and you depend on our high temperature materials in the furnace that keeps you warm. Companies around the world rely on our coated and bonded fiber products. These include such companies as Boeing (PTFE coated fiberglass), Toyota (super-absorbent bonded threads), La-Z-Boy (we are their global thread and bobbin supplier), Corning (yarns to protect fiber optics), Yankee Candle (wicks) and Johnson & Johnson (dental floss).

Options Available for most ropes, tapes and tadpoles gaskets.

Fiberglass - service temperature rating of 1,000°F (538°C), resistant to most acids and alkalis

Graphite Coating - dark gray color, increases abrasion resistance up to 35%

PTFE Impregnation - increases chemical resistance by protecting fiberglass

Stainless Steel Jacket - ropes only, significantly increases abrasion resistance

Inconel Core - ropes and tadpoles only, increases compression resilience

Heat Treatment - removes processing oils and starches from the glass