



Specifications

1. Company & Product Information

Supplier Name:
UniTherm International
711 Jones Street
Lewisville, Texas 75057

Product:
Fiber 2025

2. Description

Fiberglass 2025 is woven by high quality E-glass textured yarn, and then pass through a oven with high temperature in order to burn off the sizing and other organic elements in the cloth. After this heat treatment, fiberglass cloth will change to tan color and it will be smoke-free during the application.

3. Applications

No difference from fiberglass loomstate, but especially for the application where smoke is now allowed.

4. Technical Index

1		WEAVE		Plain	
2	YARN		WRAP	EC9 430tex	ETG 11.6
	(tex)		WEFT	EC9 430tex	ETG 11.6
3		WIDTH		100 cm	40 inch
				150 cm	60 inch
4		CLOTH WIDTH		600 g/m ²	17.6 OZ/YD ²
5		TREATMENT		Caramelized (heat treated)	
6		TOTAL THICKNESS		0.75mm	0.03 inch
7	THREAD COUNT		WARP	8 per cm	20 per inch
			WEFT	5.7 per cm	14 per inch
8	TENSILE STRENGTH		WARP	2250 N/5cm	250 lbs/inch
	(min)		WEFT	1216 N/5cm	135 lbs/inch
9		SERVICE TEMPERATURE		Up to 550°C	



Specifications

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Supplier Name:
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 711 Jones Street
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Product:
 Grey Silicone

2. Description

Silicone is fiberglass cloth woven by high quality E-glass filament yarn , and then coated (or impregnated) with specially formulated dry (solid) silicone rubber and aluminum pigment on one side. These fabrics provide good properties of flexibility, durability, water and oil proof, abrasion resistance, and excellent resistance for general chemicals.

3. Applications

It's the ideal and excellent fabrics used for welding blanket, fire protecting curtain, expansion joints, Non-metallic compensator, and anti-corrosion sector.

4. Technical Index

1		WEAVE		3X1 TWILL	
2	YARN (tex)	WARP	EC9 68 1×2	ECG 75 2/0	
		WEFT	EC9 136 1×1	ECG 37 1/0	
			100 cm	40 inch	
3		WIDTH	130 cm	51 inch	
			150 cm	60 inch	
4		CLOTH WEIGHT	430 g/m ²	12.7 OZ/YD ²	
5		COAT STYLE	coated with dry silicone(130G) both sides, grey		
6		TOTAL THICKNESS	0.5mm	0.0197 inch	
7		TOTAL WEIGHT	560g/m ²	17 OZ/YD ²	
8	THREAD COUNT	WARP	18 per cm	45 per inch	
		WEFT	13 per cm	33 per inch	
9	TENSILE STRENGTH(min)	WARP	7000 N/5cm	777 lbs/inch	
		WEFT	6000 N/5cm	666 lbs/inch	
10		SERVICE TEMPERATURE	550°C, while silicone is 280°C		



Specifications

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Supplier Name:
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711 Jones Street
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Product:
IceRock

2. Description

The IceRock mineral wool rolls are made from non-combustible, bio-soluble, basalt fiber. The fiber is mainly made from pure Icelandic basalt and consists mainly of silicon oxide with a number of other metallic oxides. The basalt spinning technology ensures excellent consistency and high quality level. The rolls are easy to handle, extremely flexible and incorporate high levels of thermal conductivity, acoustic absorption and non combustibility.

3. Standard

The IceRock rolls are produced according to EN 13162:2001 and are non-combustible when tested in accordance with EN ISO 1182:2002.

4. Operating Temperature

The limiting temperature of the fiber is more than 1832°F but the rolls should not be used where temperatures are continuously above 482°F.

5. Quality Control

The IceRock products are CE certified according to Directive 89/106/EEC and quality control is carried out independently by the Icelandic Building Research institute.

6. Dimensions and Density

The roll is available in 3'X 29'6" and weighs 45kg/m³

7. Thermal Conductivity

45kg/m³ 0,035 w/m°F



Specifications

1. Company & Product Information

Supplier Name:
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711 Jones Street
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Product:
Lacing Hook & Washer

2. Description

Stainless Steel Lacing Anchors (hooks) and Washers are used for thermal insulation products, like expansion joints and removable-reusable thermal insulation blankets,

Generally Stainless Steel Lacing Anchors and Washers are used with our other products: silicone coated fiberglass cloth, Vermiculite coated fiberglass cloth, e-glass needle mat and stainless steel knitted mesh.

3. Features

- High Temperature Resistance
- High Strength
- Uniform PTFE Coating
- Finest Glass Fiber Available
- Excellent Flexibility

4. Benefits

- Used to maintain insulation in place
- Galvanized or stainless steel
- Beveled edges

5. Specifications of Lacing Hooks & Washer

Specs. of Lacing Anchor & Washers

Material	304 Stainless Steel
Pin Length	65mm
Pin Diameter	2mm
Hook Base Diameter	22mm
Hook Base Thickness	1mm
Washer Diameter	25mm
Washer Thickness	0.4mm



Specifications

1. Company & Product Information

Supplier Name:
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Product:
Needle Mat

2. Description

Needle mat is composed of 100% select grade type "E" glass fibers needled together into mat form. Needle mat is processed in such a way to maximize thermal efficiency. It is non-repirable, incombustible, asbestos free and contains no resinous or inorganic binders. This material has been tested and conforms to Mil-DTL-24244D(SH), USCG Subpart 64.009, ASTM E84 industry standards and NRC 1.36. Other densities available upon request.

3. Typical Properties

Melting Point	1523°F
Maximum Temperature	1200°F
Continuous Temperature	1000°F
Thickness	1/8", 1/4", 1/2", 1", and, 1 1/2"
Roll Width	30" and 60"
Roll Length	Various Lengths Available
Density	6 - 7#/cu. ft. 9 - 11#/cu. ft.

4. Thermal Conductivity "K" Factor

Temperature	6-7#	9-11#	9-11#	6#	8#
300°F	.292	.35	.40	.388	.282
500°F	.350	.48	.50	.520	.428
700°F	.445	.64	.65	.680	.589



Specifications

1. Company & Product Information

Supplier Name:
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Product:
 PTFE Coated Fiberglass Sewing
 Thread

2. Product Data

Product #	R751-12	R751-18	R753-12	R753-18	R753-24	R753-27
Thread Style	Continuous Filament Fiberglass					
Coating Type	PTFE, Sintered					
Coating%	18	18	12	12	12	12
Yield (yds/lb)	2850	1900	3000	2000	1500	1050
Tensile (lbs)	12	18	12	18	25	30
Diameter (nom)	0.016"	0.019"	0.015"	0.018"	0.021"	0.024"
Final Twist	"Z"	"Z"	"Z"	"Z"	"Z"	"Z"
Color	Natural, Tan					

3. Features

- High Temperature Resistance
- High Strength
- Uniform PTFE Coating
- Finest Glass Fiber Available
- Excellent Flexibility

4. Benefits

- Chemical Resistance
- Minimal Buildup of Contaminates
- Good Sew ability
- Excellent Thermal Sock Resistance
- Flexibility
- Minimal Strip-Back and Untwisting



Specifications

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Supplier Name:
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711 Jones Street
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Product:
PTFE Impregnated Fiberglass Rope

2. Typical Properties

Color	Black
Construction	Woven fiberglass rope impregnated with Teflon resins.
Maximum Temperature	550°F - PTFE starts to dissolve. 750°F - Fiberglass starts to weaken.
Diameter	0.125 inches
Packaging	650 feet per Spool