

FIBRESEAL FELTS AND BLANKETS



Pyrotek offers an extensive range of felts and blankets. Our selection is suited to meet demanding application needs over a range of temperatures.

ADVANTAGES

- Asbestos-free and ceramic fiber-free materials available
- Minimizes energy costs by improving seals

APPLICATIONS

- Gaskets
- Siphon seals
- Insulation blanket
- Fire blanket
- Furnace linings

FIBRESEAL FELTS

NAME	DESCRIPTION/ ADVANTAGE	APPLICATION/TEMPERATURE RESISTANCE	DIMENSIONS		DENSITY
AF-42	Resists chemical attack by mild acids and alkalis. Performs well at high operating temperatures with normal amounts of humidity.	Spacer bar covers. Rated for use to 205°C (400°F).	Fabricated to specifications		N/A
G-1	An inexpensive, tough material. Will not support combustion.	High-temperature gaskets. Rated for use to 650°C (1200°F).	24" x 100' x 0.5" 24" x 100' x 1"	610 mm x 30.5 m x 13 mm 610 mm x 30.5 m x 25 mm	3 lbs/ft ³ 48 kg/m ³
G-2	An inexpensive tough material.	High-temperature gaskets. Rated for use to 650°C (1200°F).	24" x 100' x 1"	610 mm x 30.5 m x 25 mm	2 lbs/ft ³ 32 kg/m ³
IR-3	Felt-like material which expands between 350–540°C (665–1000°F). Loss of 5-16% on ignition.	Compressible gasketing, collector bar seals, siphon gaskets, flange gaskets. Rated for use to 650°C (1200°F).	Custom rolls 0.125" & 0.25" thick	Custom rolls 3 & 6 mm thick	39 lbs/ft ³ 625 kg/m ³
O-1	Also called needlemat, needled fiberglass mat, tempmat, or continuous filament fiberglass blanket. E-glass. Excellent resistance to vibration. Not effected by 1.55 MPa (225 psi) steam. Has a tensile strength of approximately 0.07 MPa (10 psi).	High-density gaskets at elevated temperatures. Initial systems, high pressure systems and air collection systems.	U.S. product: Width—30" or 60" Length—various Thickness—0.125", 0.25", 0.5", 1", 1.5"	European product: Width—1000 mm Length—roll=10 m or 50 m, sheet=1000 mm or 2000 mm Thickness—3 mm, 25 mm, 75 mm	U.S.: 9–11 lbs/ft ³ European: Sheets= 140–185 kg/m ³ Rolls= 75–150 kg/m ³
		U.S. product temperatures: Maximum 650°C (1200°F) Continuous 538°C (1000°F) European product temperatures: Maximum 550°C (1022°F) Continuous 450°C (842°F)			
O-1C	O-1 with a red silicone coating.	Siphon, air collection system, and carbon bake seals. Makes an excellent air-tight, abrasion resistant seal. Rated for use to 650°C (1200°F).	See O-1	See O-1	See O-1
T-1	A dark brown, very strong and tough material.	High-temperature reusable gaskets. Rated for use to 650°C (1200°F).	24" x 100' x 0.25"	610 mm x 30.5 m x 6 mm	6 lbs/ft ³ 96 kg/m ³

FIBRESEAL FELTS AND BLANKETS

FIBRESEAL BLANKETS

NAME	DESCRIPTION/ ADVANTAGE	APPLICATION/ TEMPERATURE RESISTANCE	DIMENSIONS		DENSITY
L-4 L-6 L-8	Light-weight, yet strong and durable needled blankets.	Furnace linings, gaskets, expansion joints, fire blanket, fire pillow. Rated for use to 1427°C (2600°F).	24" x 25' x 0.25" 24" x 25' x 0.5" 24" x 25' x 1" 24" x 25' x 1.5" 24" x 25' x 2" 48" x 25' x 0.25" 48" x 25' x 0.5" 48" x 25' x 1" 48" x 25' x 1.5" 48" x 25' x 2"	610 mm x 7.6 m x 6.35 mm 610 mm x 7.6 m x 12.7 mm 610 mm x 7.6 m x 25.4 mm 610 mm x 7.6 m x 38.1 mm 610 mm x 7.6 m x 50.8 mm 1219 mm x 7.6 m x 6.35 mm 1219 mm x 7.6 m x 12.7 mm 1219 mm x 7.6 m x 25.4 mm 1219 mm x 7.6 m x 38.1 mm 1219 mm x 7.6 m x 50.8 mm	4 lbs/ft ³ 64 kg/m ³ 6 lbs/ft ³ 96 kg/m ³ 8 lbs/ft ³ 128 kg/m ³
M-4	A white high-temperature felt.	Gaskets, trough covers, trough gaskets. Rated for use to 1427°C (2600°F).	24" x 50' x 1"	610 mm x 15.2 m x 25 mm	4 lbs/ft ³ 64 kg/m ³
M-6 M-8	Stitched with high-temperature fibers. Contains no binders. Not changed by exposure to high temperatures.	High-temperature gaskets. Furnace linings. General insulation applications. Rated for use to 1427°C (2600°F).	24" x 25' x 0.25" 24" x 25' x 0.50" 24" x 25' x 1" 24" x 25' x 1.5" 24" x 25' x 2"	610 mm x 7.6 m x 6.35 mm 610 mm x 7.6 m x 12.7 mm 610 mm x 7.6 m x 25.4 mm 610 mm x 7.6 m x 38.1 mm 610 mm x 7.6 m x 50.8 mm	6 lbs/ft ³ 96 kg/m ³ 8 lbs/ft ³ 128 kg/m ³
M-9	Ceramic-free insulation with excellent chemical resistance. Shot free.	Blankets. Rated for use to 1260°C (2300°F).	35" x 80' x 0.5" 36" x 33' x 1"	889 mm x 24.4 m x 13 mm 914 mm x 10.1 m x 25.4 mm	9 lbs/ft ³ 144 kg/m ³
SL-6	A more consistently thick, rigid, dense and insulating version of M-6.	Die-cutting, fabrication and handling. High purity fibers with excellent vibration resistance for aerospace insulation. Rated for use to 1260°C (2300°F).	24" x 50' x 0.25" 48" x 50' x 0.25" 24" x 25' x 0.50" 48" x 25' x 0.50"	610 mm x 15.2 m x 6 mm 1219 mm x 15.2 m x 6 mm 610 mm x 30.4 m x 12 mm 1219 mm x 30.4 m x 12 mm	6 lbs/ft ³ 96 kg/m ³
T-67B	Soluble amorphous wool. Does not contain refractory ceramic fiber.	Trough repair, pot bake blanket, flexible joint packaging, carbon bake insulation plugs, furnace linings. Rated for use to 1000°C (1832°F).	24" x 25' x 0.25" 24" x 25' x 0.5" 24" x 25' x 2" 48" x 25' x 0.25" 48" x 25' x 0.5" 48" x 25' x 2"	610 mm x 7.6 m x 6.35 mm 610 mm x 7.6 m x 12.7 mm 610 mm x 7.6 m x 50.8 mm 1219 m x 7.6 m x 6.35 mm 1219 mm x 7.6 m x 12.7 mm 1219 mm x 7.6 m x 50.8 mm	6 lbs/ft ³ 96 kg/m ³ 8 lbs/ft ³ 128 kg/m ³

Note: The physical and chemical properties listed represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice.

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