



SEMI-CURED FIBERGLASS BLANKET

Product Specifications and Key Features

Quietflex Semi-Cured Blanket is produced, to a Semi-Cured state, using continuous textile-type glass fibers that have been bonded with a thermal setting phenolic resin. The glass fibers and resin are combined in an air lay system that produces a random fiber orientation for exceptional strength and resiliency. The product can be customized to meet specific customer requirements.

www.quietflex.com

ADVANTAGES

- 6-month shelf life*
- High thermal efficiency
- Increased strength and rigidity
- Easy to handle and mold
- Low dust
- Heat-resistant and low flammability
- Low moisture absorption
- Compression packaging

APPLICATIONS

Our product is designed and manufactured to be used as hood liners, transmission shrouds, engine covers and many automotive applications.

RECOMMENDED STORAGE CONDITIONS

- This product is affected by ambient conditions of heat, light and humidity
- Storage conditions: It is recommended that this product should be stored in a dry environment and kept at 5°C - 26°C (40°F - 80°F) with a relative humidity of 25%-90% and out of sunlight

FACING

- Quietflex has the ability to provide factory pre-applied facing to the Semi-Cured Blanket for automotive applications

** Shelf Life: When Quietflex® Brand Semi-Cured Blanket is kept in the original packaging, Molding characteristics are maintained for a maximum of six months.*





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OEM FIBERGLASS PRODUCT

TECHNICAL DATA

TEST METHOD OR PROPERTY	RESULTS
Glass fiber composition	E-Glass (textile glass)
Glass fiber diameter	7-11 microns
Binder content	Typically 25% or application specific
Binder color	Yellow (amber)
Shelf life	6 months (when packaging integrity is maintained)
Temperature operating range	-155°C to 232°C (-247°F to 450°F)
ASTM C1104: water vapor sorption	Less than 1% by weight
NFPA 259: limited combustible	Less than 3,500 BTU/lb
ASTM E84: flame spread index	Less than 25
ASTM E84: smoke developed index	Less than 50
ASTM C1338,G21,G22: microbial fungal growth	Does not support the growth of mold, fungi and bacteria
Color	Amber
Density tolerance	+/-15%
Gram weight tolerance	+/-15%
Width tolerance	+/- 0.25" (+/- 6 mm)
Thickness tolerance	+/- 0.25" (+/- 6 mm) (but can be modified to meet customer need)
Deflection (after molding)	<1 in (tested on a 12 in x 32 in sample) with 1000 g weight applied
Tensile strength	>3.5 lb (1.6 kg) (tested on a 6" x 18" sample)

SIZE AND THICKNESS *Quietflex can make custom thickness and/or density to fit customer application. Available in amber color.*

THICKNESS	GRAM WEIGHT	DENSITY	WIDTH*	LENGTH
Standard product is 1" (25 mm) thick, but custom thickness can be made to meet customer specifications.	38 g/ft ² to 114 g/ft ² (409 g/m ² to 1227 g/m ²)	Density ranges from 1.0 lb/ft ³ to 3.0 lbs/ft ³ . (12 kg/m ³ to 48 kg/m ³)	Minimum: 24" (610 mm) Maximum: 120" (3048 mm)	Maximum length will be determined based on density, width and thickness to keep the roll weights manageable.

**Please note: full line width must be split into multiple rolls*

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WARNING

Textile glass fibers are used to manufacture the fiberglass insulation product. Handling, installing, or removing the product may result in some fiberglass contact. Users of this product are therefore advised to wear appropriate personal protective equipment so as not to experience skin, eye, or respiratory irritation. Gloves and eye protection, long sleeved, loose fitting clothing are recommended when installing or otherwise handling the product. Avoid breathing fiberglass dust and avoid contact with skin or eyes. A NIOSH approved (N95 or higher) disposable or reusable dust respirator properly fitted is recommended whenever the product is handled. Respiratory protection is mandatory when the dust level in the workplace exceed OSHA permissible exposure limits or if worker irritation occurs. Work clothes should be washed separately and the washer rinsed after use.

FIRST AID MEASURES

If dust gets in eyes flush eyes with water to remove the fiber dust. If symptoms persist, seek medical attention. Fibers can be removed by washing the skin with soap and warm water after handling this product. Further product safety information is available from your employer. The Material Safety Data Sheet is available from your distributor, directly from QuietFlex or on the QuietFlex website at www.quietflex.com.

The physical and chemical properties of the QuietFlex Faced Versatile Blanket represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. The data is supplied as a technical service and is subject to change without notice. Check with QuietFlex Manufacturing Company LP to obtain current information.