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Semi-Cured

Product Specifications and Key Features

QuietFlex® Semi-Cured fiberglass blanket is produced in a semi-cured state, ideal for molding applications. Textile-type glass fibers have been chopped to a maximum length of 6 inches and bonded with a thermal setting phenolic resin. The glass fibers and the resin are combined in an air lay system that produces a random fiber orientation ideally suited for hot face press molding operations. Available in amber or black color.



Advantages

- **Excellent Acoustical Containment**
Reduces unwanted noise.
- **High Thermal Efficiency**
Reduces heat transfer.
- **Increased Structural Strength and Rigidity**
- **6 Month Shelf Life***
Eliminates waste of unused product.
- **Easy to Handle and Mold**
High tensile strength allows blanket to be pulled off roll easily.
- **Low Dust**
- **Heat Resistant and Low Flammability**
- **Very Low Moisture Absorption**
- **Compression Packed**
Saves freight costs, storage space, and protects against damage.

Applications

- **Automotive**
Hood Liners
Dash Insulators
Engine Cover
Transmission Cowling
Cam Covers
Other Automotive Molded Components
- **Other Acoustical Components**



*when packaging integrity is maintained and stored properly

Technical Data

DESCRIPTION	RESULTS
Glass Fiber Composition	E-Glass (Textile Glass)
Glass Fiber Diameter	6–10 Microns
Binder Content	Typically 25% or Application Specific
Binder Color	Yellow (Amber) or Black
Shelf Life	6 Months (When packaging integrity is maintained.)

Size and Thickness

THICKNESS	DENSITY	WIDTH	LENGTH
Standard product is 1" thick, but custom thickness can be made to meet customer specifications.	Density ranges from 1.0lb/ft ³ to 3.0lbs/ft ³ .	Minimum: 24" Maximum: 120"	Maximum length will be determined based on density, width and thickness to keep the roll weights manageable.

QuietFlex can make custom thickness and/or density to fit customer application. Available in either amber or black color.

Packaging

- Packed and Sealed in a Polyethylene Bag
- Vacuum Packed
- Polyethylene Sleeve Placed Over the Roll
- Shrink Wrapped 4 Rolls to a Bundle

Recommended Storage Conditions

- QuietFlex® Semi-Cured Blanket is affected by ambient conditions of heat, light and humidity.
- Storage Conditions: It is recommended that QuietFlex® Semi-Cured Blanket be kept in a dry storage area kept at 40°F–80°F with a relative humidity of 25%–90% and out of direct sunlight.
- Shelf Life: When QuietFlex® Semi-Cured Blanket is kept in the original packaging, molding characteristics are maintained for a maximum of 6 months.

WARNING!!!

Textile glass fibers are used to manufacture this 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 levels 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 into 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 www.quietflex.com.

The physical and chemical properties of QuietFlex Semi-Cured 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 L.P. to obtain current information.



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