TEXTUF RESILIENT BLANKET
FIBERGLASS INSULATION

Product Specifications and Key Features

Quietflex Resilient Blanket is produced 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 standard Resilient Blanket has a nominal density of 16 kg/m^3, but can be customized to meet specific customer requirements.

www.quietflex.com

APPLICATIONS

Resilient Blanket is designed as a wall insulation for LNG and other cryogenic tank systems.

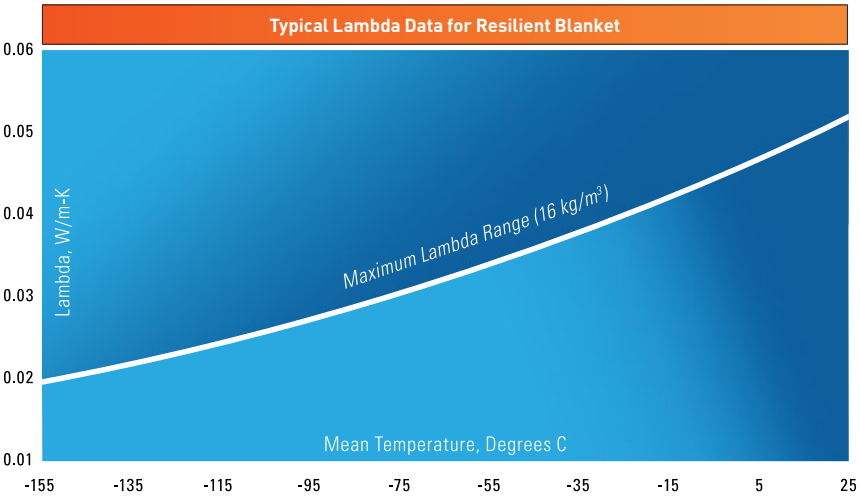
ADVANTAGES

- **Supports its own weight on vertical walls up to 150 ft tall**
- **Increased tensile strength**
- **Excellent resiliency and compression characteristics**
- **High thermal efficiency**
- **Fibers do not support bacterial or fungal growth**
- **Compression packed to save storage space and freight costs**

  Compression ratios range from 3:1 to 6:1 without affecting performance of the product

THERMAL CONDUCTIVITY VALUES AT SELECT TEMPERATURES (ASTM C518)*

**This graph is for general information only. Actual values can vary depending on critical performance specifications*



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RESILIENCY TEST PROCEDURE

- A 305 mm x 305 mm specimen shall be positioned in the test apparatus, and the weight recorded
- Specimen shall be subjected to a 244 kg/m² loading for two minutes
- The 244 kg/m² loading shall be removed, and a 2.44 kg/m² load applied. The specimen's thickness under this initial load shall then be recorded as the actual thickness (L) in mm. The 2.44 kg/m² loading will then be removed.
- The specimen will then be loaded in 24.4 kg/m² increments from zero to 244 kg/m² and subsequently unloaded in 24.4 kg/m² increments to zero. This cycle will be repeated a total of three times.
- The deflection occurring at each of the 24.4 kg/m² increments of the third cycle will be recorded and will be used to calculate the resiliency factor
- Factor A is the average of the strains occurring during the loading and unloading phases of the third cycle of the test procedure at a load level of 170.9 kg/m²
- Factor B is the average of the strains occurring during the loading and unloading phases of the third cycle of the test procedure at a load level of 24.4 kg/m²
- Resiliency Factor is the difference between Factor A and Factor B
- The Resiliency Factors in each sample shall be averaged and recorded as the Resiliency Factor. When this average Resilient Factor is ≥ 0.44, it shall be classified as a PASS.

PHYSICAL PROPERTIES

TEST METHOD OR PROPERTY	RESULTS
ASTM C553 type 1, 2 and 3	Meets all requirements at varying densities
Temperature range	Temperature range -155°C to 232°C
ASTM C1104: water vapor sorption	Less than 1.0% 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
ASTM C165: average resiliency factor	≥0.44 (44%)
Tensile strength	This can be modified based on customer needs
Nominal density	16 kg/m³ | This can be modified based on customer needs
Density tolerance	+2.5 kg/m³ / -2.5 kg/m³
Width tolerance	+/-6 mm or -0 mm/+12 mm
Length tolerance	+2% or +610 mm / 0%
Thickness tolerance	+/-6 mm or -0 mm/+12 mm
Optional facings available	Laminated FSK and black mat facing

Quietflex® TexTuf Resilient Blanket is manufactured in a full range of thicknesses

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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 Manfacturing Company LP to obtain current information.