SuperMag HI 2200

Low Biopersistence Fiber Blanket

SuperMag HI 2200 blanket is made from long, fine, low biopersistence (LBP) fibers with a lower shot content than **SuperMag 2200**. Mechanical needling results in a product with exceptional mechanical resistance, superior properties at temperatures up to **2200°F** (1200°C), and lower thermal conductivity than the regular **SuperMag 2200** blanket. Additionally, **SuperMag HI 2200** contains less dust and offers a reduced risk of irritation.

SuperMag HI 2200 blankets are completely inorganic, binder-free products that produce no smoke or flame.

SuperMag HI 2200 blankets are available in a wide range of thicknesses and densities

This product meets Note Q of the European Directive 1272/2008 for biosolubility

Key Features

- Low Thermal Conductivity & Shrinkage
- Low Heat Storage
- High Tensile Strength
- Thermal Shock Resistance
- Chemical Corrosion Resistance
- Completely Inorganic
- Contains no Asbestos
- Excellent Sound Absorption
- Flexible, Lightweight & Easy to Install

Visit nutec.com for more information

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Technical Data Sheet Rev. 22 (3/19/2024)

Physical Properties	
Color	White
Maximum Use Temperature	2200°F (1200°C)
Continuous Use Temperature	2012°F (1100°C)
Typical Shrinkage @ 2200°F / 24 hrs	1.2%
Specific Heat (BTU/lb°F)	0.27
Average Fiber Diameter	2.7 Microns

Chemical Composition (%)	
SiO_2	60-70
CaO	25-35
MgO	3-7
Trace Elements	Less than 1%
LOI	0

SuperMag HI 2200	**6#**	**8#**
NOMINAL DENSITY lb/ft³ (kg/m³)	6 (96)	8 (128)

Thermal Conductivity BTU•in/hr•ft²•°F (W/mK) **ASTM C201**

MEAN TEMPERATURE	**DENSITY 6#**	**DENSITY 8#**
392°F (200°C)	0.42 (0.06)	0.35 (0.05)
752°F (400°C)	0.62 (0.09)	0.56 (0.08)
1112°F (600°C)	1.04 (0.15)	0.90 (0.13)
1472°F (800°C)	1.59 (0.23)	1.25 (0.18)
1832°F (1000°C)	2.22 (0.32)	1.73 (0.25)

Data are average results of tests conducted under standard procedures and are subject to variation. Results should not be used for specification purposes.

Please refer to the product Safety Data Sheet (SDS) for recommended work practices and other product safety information.

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Standard Roll Sizes *For availability on custom specifications, please contact your **NUTEC** Sales Engineer

THICKNESS	DENSITY (lb/ft³)		WIDTH	LENGTH
½"	6	8	48"	600"
1"	6	8	48"	300"
1"	6	8	24"	300"
1"	6	8	48"	300"
2"	6	8	24"	150"

Strip Sizes by Order *Minimum order applies. Please consult with your **NUTEC** Sales Engineer

THICKNESS		DENSITY (lb/ft³)			WIDTH		LENGTH	
¼"		6	8		1" - 48"			600"
½"	4	6	8	10	1" - 48"		300"	600"
¾"	4	6	8	10	1" - 48"	150"	300"	600"
1"	4	6	8	10	1" - 48"	150"	300"	600"
1½"	4	6	8		1" - 48"	150"	300"	
2"	4	6	8		1" - 48"	150"	300"	

NUTEC's **SuperMag** low biopersistence (LBP) fibers are not classified as carcinogenic under various international regulations. SuperMag LBP fibers do not require warning labels under the Globally Harmonized System (GHS) regarding the classification and labeling of chemicals.

SuperMag LBP fibers meet the *Note Q* requirements of European Regulation EC 1272/2008 and as such are exonerated from classification and labeling as hazardous substances in Europe.

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