



SuperMag HI 2200

Bulk and Engineered Fibers

NUTEC's **SuperMag HI 2200 Fibers** is a range of high-temperature, low-biopersistent fibers, high-index fibers, giving superior insulation and low thermal conductivity values.

SuperMag HI 2200 Fibers are suitable for a wide variety of industrial and commercial applications and can be further customized by adjusting fiber length, diameter, or the degree of chopping to meet specific performance requirements.

SuperMag HI 2200 Fibers are manufactured to be utilized as a feedstock for certain manufacturing processes or any applications where a consistent product is critical.

SuperMag HI 2200 Fibers is rated to **2200°F** (1200°C).

 This product meets the European Directive 1272/2008 for biosolubility

Key Features

- Low Thermal Conductivity
- Low Dust or Irritation
- Soft, Flexible and Lightweight
- High Tensile & Tear Strength
- Excellent Chemical Resistance
- Low Heat Storage
- Excellent Thermal Shock Resistance

Visit nutec.com for more information



SuperMag HI 2200 Fibers

These products are manufactured on computer-controlled, state-of-the-art furnaces to provide customers with consistent fiber properties. The fibers can also be chopped into several grades to provide customers with a fiber ideally suited for their application.

SuperMag HI 2200 Fibers are offered lubricated or non-lubricated and can be chopped into several grades: coarse, medium, and fine. All **NUTEC Engineered Fibers** can also be supplied in a milled consistency with very small particle size. Milled fibers can be used as a functional additive in a variety of coatings and composites to provide superior wear resistance, improved corrosion resistance, reinforcement, and excellent compressive strength.



Product Properties	SuperMag HI 2200 Fibers
Color	White
Maximum Use Temperature	2200°F (1200°C)
Continuous Use Temperature	2012°F (1100°C)
Fiber diameter	2.5 µm – 3.5 µm

Chemical Composition (%)	SuperMag HI 2200 Fibers
SiO ₂	60–70 %
CaO	25–35 %
MgO	3–7 %
Trace Elements	Less than 1%

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.



Typical Parameters			
FIBER TYPE	PRODUCT	CHOP LEVEL	FIBER INDEX
SuperMag HI 2200 Fibers	SMG HI Bulk 2200	None	62–70%
	EF-2200 OP	Opened	62–70%
	EF-2200 CC	Coarse	62–70%
	EF-2200 MC	Medium	62–70%
	EF-2200 FC	Fine	62–70%

- Fiber Index is the percentage of fiberized material by weight in a fiber. Unfiberized material is called shot. (i.e., higher fiber index indicates a “cleaner” fiber).