



## Supermag-HI Bulk Fiber

### Product Description:

**SuperMag-HI** is a high temperature bulk fiber insulation, with high fiber index and low percentage of unfiberized particles.

Manufactured from a proprietary blend of calcium, silica and magnesium oxides, it is a low bio-persistent fiber (LBP), with superior mechanical and insulation properties, for use temperature to 1200 °C (2200 °F). Completely inorganic, **SuperMag-HI** produces zero smoke or outgassing when exposed to high temperature. The high fiber index and elimination of large unfiberized particles gives SuperMag-HI superior insulation values.

### Key Product Features:

- Low Dust or Irritation
- Soft, Flexible and Lightweight
- High Tensile & Tear Strength
- Excellent Chemical Resistant

<b>PRODUCT</b>	<b>SMG-HI Bulk Fiber</b>	
<b>MAX TEMPERATURE, °F (°C)</b>	<b>2192°F (1200 °C)</b>	
<b>CONTINUOUS USE LIMIT, °F (°C)</b>	<b>2012°F (1100°C)</b>	
<b>MELTING POINT, °F (°C)</b>	<b>2320°F (1270°C)</b>	
<b>SHOT CONTENT (ASTM C 1335):</b>	<b>&lt; 38% (Mesh US 325)</b>	
<b>FIBER INDEX, %</b>	<b>62 - 70</b>	
<b>AVERAGE FIBER DIAMETER, microns</b>	<b>3 to 4</b>	
<b>COLOR</b>	<b>WHITE/BLUE</b>	
<b>TYPICAL CHEMICAL ANALYSIS</b>		
<b>CHEMICAL ANALYSIS</b>	<b>ELEMENTS</b>	<b>%</b>
	<b>SiO<sub>2</sub></b>	<b>60 – 70</b>
	<b>CaO</b>	<b>25 – 35</b>
	<b>MgO</b>	<b>3 – 7</b>

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.

