

## Unifrax Fiberfrax® Bulk 8000 AZS High-Temperature Fiber

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

### Material Notes:

In addition to Fiberfrax Bulk Fibers, Unifrax has the ability to produce many different specialty fibers that provide a variety of desirable performance properties for certain applications. These fibers can be classified into the following general categories: High-Index Fibers High-Temperature Fibers Large-Diameter Fibers Milled Fibers Unifrax manufactures two high-temperature specialty fibers for use in applications beyond recommended operating temperatures of 2300°F (1260°C). Bulk 8000 is made from high-purity alumina, zirconia, and silica raw materials. This chemistry, along with the unique manufacturing process, provides a fiber which can withstand continuous operating temperatures up to 2450°F (1345°C). Fibermax® Bulk Fiber is a high-temperature, polycrystalline mullite fiber. Fibermax fiber can withstand continuous operating temperatures up to 2800°F (1540°C) and is virtually shot free. Fibermax fibers can be blended with regular alumina-silicate Fiberfrax fibers to increase the thermal stability of the blended product beyond that of high-purity bulk fiber. Information Provided by Unifrax I LLC

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Unifrax-Fiberfrax-Bulk-8000-AZS-High-Temperature-Fiber.php](http://www.lookpolymers.com/polymer_Unifrax-Fiberfrax-Bulk-8000-AZS-High-Temperature-Fiber.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.73 g/cc	2.73 g/cc	

Thermal Properties	Metric	English	Comments
Melting Point	1760 °C	3200 °F	
Maximum Service Temperature, Air	1345 °C	2453 °F	Recommended Operating Temperature

Component Elements Properties	Metric	English	Comments
Al2O3	29 - 31 %	29 - 31 %	
SiO2	53 - 55 %	53 - 55 %	
ZrO2	15 - 17 %	15 - 17 %	

Descriptive Properties	Value	Comments
Average Fiber Diameter (microns)	1-2	
Color	White	
Fiber Index (%)	45	
Temperature Grade (°C)	1430	

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