

Unifrax Fiberfrax® Spun High Purity Large-Diameter 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 has the ability to control the average fiber diameter of fibers through a unique spinning operation. It is this spinning operation that is used to produce both the Fiberfrax Spun Fiber and Long Staple Fibers. Average fiber diameter for these fibers range from 3 to 12 microns. These larger-diameter fibers provide certain desirable properties, such as: Excellent resistance to mechanical stress and vibration Reduced processing time in vacuum-forming operations Ability to produce lower-density vacuum-formed products

Information Provided by Unifrax I LLC

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unifrax-Fiberfrax-Spun-High-Purity-Large-Diameter-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	1175 °C	2147 °F	Recommended Operating Temperature

Component Elements Properties	Metric	English	Comments
Al2O3	47 - 52 %	47 - 52 %	
Na2O	<= 0.50 %	<= 0.50 %	
SiO2	48 - 53 %	48 - 53 %	

Descriptive Properties	Value	Comments
Average Fiber Diameter (microns)	3-5	
Color	White	
Fiber Index (%)	50	
Temperature Grade (°C)	1260	

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