

Unifrax Fiberfrax® Long Staple Fine AZS 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-Long-Staple-Fine-AZS-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	1345 °C	2453 °F	Recommended Operating Temperature

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	29 - 31 %	29 - 31 %	
SiO ₂	53 - 55 %	53 - 55 %	
ZrO ₂	15 - 17 %	15 - 17 %	

Descriptive Properties	Value	Comments
Average Fiber Diameter (microns)	4-8	
Color	White	
Temperature Grade (°C)	1430	

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