

Unifrax Fiberfrax® 6001-F-5 Kaolin Bulk Fiber

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Fiberfrax Bulk Fibers are manufactured to be used as feedstock in manufacturing processes or other applications where product consistency is critical. Manufactured on large, computer-controlled furnaces, these products provide customers with consistent material properties. Fiberfrax Bulk Fibers are typically used in the manufacture of other ceramic fiber based product forms such as: High-temperature boards, felts, and papers Combustion chambers for commercial and residential boilers Riser sleeves for molten metal casting Fireplace logs and panels for gas fireplaces Tap out cones for molten metal applications Specialized vacuum-formed shapes These bulk fibers can also be directly used as high-temperature fill and packing material in a variety of high-temperature applications, such as: Expansion joints Furnace base seals Tube seals Burner tile packing Chimney insulation Fiberfrax 6000 Series fibers have many of the same properties as the 7000 Series fibers. The main difference is that 6000 Series fibers are manufactured from kaolin clay rather than high-purity alumina-silica raw materials. Since kaolin is a mined material, it may contain impurities such as Fe₂O₃, TiO₂, and Na₂O. Even with these impurities, Fiberfrax 6000 Series fibers can provide an effective solution in many vacuum-forming and related applications. Information Provided by Unifrax I LLC

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unifrax-Fiberfrax-6001-F-5-Kaolin-Bulk-Fiber.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.67 g/cc	2.67 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
Al ₂ O ₃	45 - 51 %	45 - 51 %	
Fe ₂ O ₃	<= 1.5 %	<= 1.5 %	
Na ₂ O	<= 0.50 %	<= 0.50 %	
SiO ₂	46 - 52 %	46 - 52 %	
TiO ₂	<= 2.0 %	<= 2.0 %	

Descriptive Properties	Value	Comments
Average Fiber Diameter (microns)	1.5-2.5	
Chopping	Fine	

Color Descriptive Properties	Light Gray Value	Comments
Fiber Index (%)	45-55	
Temperature Grade (°C)	1260	

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