

Unifrax Fiberfrax® QF-180™ Blue Coating Cement

Category : Ceramic , Oxide , Silicon Oxide

Material Notes:

Fiberfrax QF-180™, QF-180™ Blue, and QF-150™ coating cements provide a range of consistencies for brush, spray, and trowel-on application. These coatings have 1260°C (2300°F) temperature grade rating. They possess good adhesion, thermal reflectance, dielectric strength, hot gas erosion resistance, and effectively resist wetting by many nonferrous molten metals. Typical Applications Electrical insulation coatings and potting Adhesive for other Fiberfrax product forms Surface coating for other Fiberfrax product forms Radiant coatings for variety of substances Flame-resistant coatings Surface coating for molten aluminum contact Oxidation-resistant coating for injection tubes and graphite crucibles Information Provided by Unifrax I LLC

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unifrax-Fiberfrax-QF-180-Blue-Coating-Cement.php

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0541 lb/in ³	

Thermal Properties	Metric	English	Comments
CTE, linear	54.0 µm/m-°C	30.0 µin/in-°F	
Maximum Service Temperature, Air	1177 °C	2151 °F	Recommended Operating Temperature

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	35 %	35 %	
Fe ₂ O ₃	0.70 %	0.70 %	
MgO	0.30 %	0.30 %	
Na ₂ O	1.1 %	1.1 %	
SiO ₂	60.8 %	60.8 %	
TiO ₂	1.4 %	1.4 %	

Electrical Properties	Metric	English	Comments
Dielectric Strength	1.46 kV/mm	37.0 kV/in	

Descriptive Properties	Value	Comments
Appearance	Blue paint	
Approx. Coverage 1-Layer (SF/Gal)	50-100	

Temperature Grade (°F) Descriptive Properties	2300 Value	Comments
Trace Inorganics (%)	0.6	
U.S. Coast Guard for "Incombustible Materials" Subpart 164.009	X	

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