

## Unifrax Fiberfrax® QF-180™ 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-Coating-Cement.php](http://www.lookpolymers.com/polymer_Unifrax-Fiberfrax-QF-180-Coating-Cement.php)

Physical Properties	Metric	English	Comments
Density	1.74 g/cc	0.0628 lb/in <sup>3</sup>	

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
Shrinkage	3.20 % @Temperature 1260 °C, Time 86400 sec	3.20 % @Temperature 2300 °F, Time 24.0 hour	Linear

Component Elements Properties	Metric	English	Comments
Al2O3	37.2 %	37.2 %	
Fe2O3	0.70 %	0.70 %	
MgO	0.30 %	0.30 %	
NaO2	0.70 %	0.70 %	
SiO2	59.1 %	59.1 %	
TiO2	1.4 %	1.4 %	

Electrical Properties	Metric	English	Comments
Dielectric Strength	1.54 kV/mm	39.0 kV/in	

Descriptive Properties	Value	Comments
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Appearance Descriptive Properties	White paint Value	Comments
Approx. Coverage 1-Layer (SF/Gal)	50-100	
Temperature Grade (°F)	2300	
Trace Inorganics (%)	0.6	
U.S. Coast Guard for "Incombustible Materials" Subpart 164.009	X	

## Contact Songhan Plastic Technology Co.,Ltd.

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