

## Unifrax Fiberfrax® 880 Ceramic Fiber Paper

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

### Material Notes:

880 paper is made from a higher alumina content, shorter, smaller diameter fiber and laid up at higher densities. These product parameters lead to reduced shrinkage, higher strength, an increased operating temperature range and better chemical resistivity. This product is used in applications where the service life of standard ceramic fiber papers is reduced. Information Provided by Unifrax I LLC

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Unifrax-Fiberfrax-880-Ceramic-Fiber-Paper.php](http://www.lookpolymers.com/polymer_Unifrax-Fiberfrax-880-Ceramic-Fiber-Paper.php)

Physical Properties	Metric	English	Comments
Density	0.288 g/cc	0.0104 lb/in <sup>3</sup>	
Loss On Ignition	8.0 %	8.0 %	including binder

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	0.255 MPa	37.0 psi	As manufactured
Tensile Strength, Yield	0.938 MPa	136 psi	As manufactured
Compressive Strength	0.0207 MPa	3.00 psi	10% deformation
	0.110 MPa	16.0 psi	25% deformation
	0.303 MPa	44.0 psi	50% deformation

Thermal Properties	Metric	English	Comments
Melting Point	1927 °C	3501 °F	
Maximum Service Temperature, Air	1150 °C	2100 °F	Recommended Operating Temperature

Component Elements Properties	Metric	English	Comments
Al2O3	58 - 60 %	58 - 60 %	
Fe2O3	<= 0.10 %	<= 0.10 %	
SiO2	40 - 42 %	40 - 42 %	

Descriptive Properties	Value	Comments
Color	White	
Fiber Index (% Wt)	45	

Na2O3 (%)

Descriptive Properties	Value	Comments
Temperature Grade (°C)	1427	

**Contact Songhan Plastic Technology Co.,Ltd.**

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