

## Unifrax Fiberfrax® Roll Board Ceramic Fiber Paper

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

### Material Notes:

The lower density, binder chemistry, and bulk ceramic fiber grade used to manufacture Fiberfrax Rollboard paper result in a product with lower cost, higher flexibility, and reduced smoke and odor during burnout. Rollboard paper is best suited for wrapping intricate shapes or molds and as a standard grade single use product in disposable applications. Information Provided by Unifrax I LLC

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	0.160 g/cc	0.00579 lb/in <sup>3</sup>	
Loss On Ignition	3.0 %	3.0 %	including binder

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	0.152 MPa	22.0 psi	As manufactured
Tensile Strength, Yield	0.400 MPa	58.0 psi	As manufactured
Compressive Strength	0.00689 MPa	1.00 psi	10% deformation
	0.0345 MPa	5.00 psi	25% deformation
	0.221 MPa	32.0 psi	50% deformation

Thermal Properties	Metric	English	Comments
Melting Point	1760 °C	3200 °F	
Maximum Service Temperature, Air	1100 °C	2010 °F	Recommended Operating Temperature

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	47 - 52 %	47 - 52 %	
Fe <sub>2</sub> O <sub>3</sub>	<= 0.50 %	<= 0.50 %	
SiO <sub>2</sub>	48 - 53 %	48 - 53 %	

Descriptive Properties	Value	Comments
Color	Off-White	
Fiber Index (% Wt)	40	
Na <sub>2</sub> O <sub>3</sub> (%)		

Descriptive Properties	Value	Comments
Temperature Grade (°C)	1260	

## Contact Songhan Plastic Technology Co.,Ltd.

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