

Unifrax Fiberfrax® 970 Ceramic Fiber Paper

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

970 paper is made from high-purity Fiberfrax washed fiber. During the manufacture of this product, a large portion of the unfiberized particles in the bulk fiber are removed prior to paper lay-up. The washing of the fiber gives great uniformity to the paper's structure while reducing weight and improving the thermal performance; in addition, this product is preferred in automatic die stamping operations where unfiberized particles in the paper can lead to excessive die wear. Information Provided by Unifrax I LLC

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unifrax-Fiberfrax-970-Ceramic-Fiber-Paper.php

Physical Properties	Metric	English	Comments
Density	0.160 g/cc	0.00579 lb/in ³	
Loss On Ignition	7.0 %	7.0 %	including binder

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	0.172 MPa	25.0 psi	As manufactured
Tensile Strength, Yield	0.648 MPa	94.0 psi	As manufactured
Compressive Strength	0.00896 MPa	1.30 psi	10% deformation
	0.0400 MPa	5.80 psi	25% deformation
	0.152 MPa	22.0 psi	50% deformation

Thermal Properties	Metric	English	Comments
Melting Point	1793 °C	3259 °F	
Maximum Service Temperature, Air	1100 °C	2010 °F	Recommended Operating Temperature

Component Elements Properties	Metric	English	Comments
Al2O3	47 - 52 %	47 - 52 %	
Fe2O3	<= 0.50 %	<= 0.50 %	
SiO2	48 - 53 %	48 - 53 %	

Descriptive Properties	Value	Comments
Color	White	
Fiber Index (% Wt)	70	

Descriptive Properties	Value	Comments
Temperature Grade (°C)	1260	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China