

Unifrax Fiberfrax® Duraboard® LD Ceramic Fiber Board

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Fiberfrax® Duraboard® products are a family of rigid, high-temperature ceramic fiber boards manufactured in a wet forming process using Fiberfrax alumina-silica fibers and binders. All Duraboard products offer low thermal conductivity, high temperature stability, uniform density, and excellent resistance to thermal shock and chemical attack. This product possesses the same density and temperature rating as Duraboard RG insulation, but is manufactured to tighter dimensional tolerances and has an excellent finished surface. These characteristics make it ideally suited for use as a sandwich or core material or for use in the manufacture of components where aesthetic quality, as well as uniformity and performance, is important. Description: A higher quality surface finish with tighter dimensional tolerances make this board suitable for use in situations where aesthetic quality, as well as performance, is important. Information Provided by Unifrax I LLC

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unifrax-Fiberfrax-Duraboard-LD-Ceramic-Fiber-Board.php

Physical Properties	Metric	English	Comments
Density	0.256 g/cc	0.00926 lb/in ³	Nominal
Loss On Ignition	6.0 - 7.0 %	6.0 - 7.0 %	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.000552 GPa	0.0800 ksi	Fired (24 hrs at cont. use)
	0.00138 GPa	0.200 ksi	Green (typ.)
Compressive Strength	0.152 MPa	22.0 psi	10% Deformation; Fired
	0.159 MPa	23.0 psi	5% Deformation; Fired
	0.159 MPa	23.0 psi	15% Deformation; Fired
	0.290 MPa	42.0 psi	5% Deformation; Green
	0.345 MPa	50.0 psi	10% Deformation; Green
	0.393 MPa	57.0 psi	15% Deformation; Green

Thermal Properties	Metric	English	Comments
Melting Point	1760 °C	3200 °F	
Maximum Service Temperature, Air	1149 °C	2100 °F	Recommended Operating Temperature
Shrinkage	<= 5.0 %	<= 5.0 %	at Recommended Operating Temperature
	@Time 86400 sec	@Time 24.0 hour	

Electrical Properties	Metric	English	Comments
Dielectric Strength	1.06 kV/mm	27.0 kV/in	

Descriptive Properties	Value	Comments
Color	Cream / white	
Fiberfrax® Fibers (%)	100	
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