Unifrax Fiberfrax® Duraboard® 2600 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.Duraboard 2600 insulation is a high-temperature insulating board designed to provide high stability at elevated temperatures. This capability is achieved by manufacturing a board formulated with a blend of Fiberfrax® alumina-silica fibers and Fibermax®, Unifrax's patented polycrystalline mullite fibers. This unique formulation controls thermal shrinkage to a level less than 1.0% after 168 hours at 2450°F / 1343°C.Description: Formed from a special blend of Fiberfrax alumina-silica fibers and Fibermax® Mullite fibers. These boards give high stability at temperatures up to 2450°F / 1343°C.Information Provided by Unifrax I LLC

Order this product through the following link:
http://www.lookpolymers.com/polymer_Unifrax-Fiberfrax-Duraboard-2600-Ceramic-Fiber-Board.php

Physical Properties	Metric	English	Comments
Density	0.224 g/cc	0.00810 lb/in³	Nominal
Loss On Ignition	4.0 - 6.0 %	4.0 - 6.0 %	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.000448 GPa	0.0650 ksi	Fired (24 hrs at cont. use)
	0.00103 GPa	0.150 ksi	Green (typ.)
Compressive Strength	0.124 MPa	18.0 psi	10% Deformation; Fired
	0.124 MPa	18.0 psi	15% Deformation; Fired
	0.131 MPa	19.0 psi	5% Deformation; Fired
	0.152 MPa	22.0 psi	5% Deformation; Green
	0.172 MPa	25.0 psi	10% Deformation; Green
	0.186 MPa	27.0 psi	15% Deformation; Green

Thermal Properties	Metric	English	Comments
Melting Point	1816 °C	3301 °F	
Maximum Service Temperature, Air	1343 °C	2449 °F	Recommended Operating Temperature
Shrinkage	<= 2.0 % @Time 86400 sec	<= 2.0 % @Time 24.0 hour	at Recommended Operating Temperature

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

Descriptive Properties	Value	Comments
Color	Cream	
Fiberfrax® Fibers (%)	75	
Fibermax® Fibers (%)	25	
Temperature Grade (°C)	1427	

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