

Unifrax Fibermax® Duraboard® 18R Board

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

Duraboard® 1700 and Duraboard® 1800 are an extension to the Fibermax® product line. These board products exhibit excellent thermal stability (low shrinkage) at very high operating temperatures. Another benefit of these board products is their extremely high modulus of rupture (MOR) in both the green and fired state. Because of their strength, both Duraboard 1700 and Duraboard 1800 are very well suited for applications where sag resistance is critical. Duraboard 17R and 18R have a rolled finish, while Duraboard 17H and 18H are compressed during manufacturing for optimum density and sanded smooth. Standard thicknesses available for these products are 13mm, 25mm, 38mm, and 50mm. Typical Applications High-temperature laboratory furnaces/kilns Diffusion Furnaces Kiln setter tiles Specialty shapes Atmosphere furnaces Electric furnaces Information Provided by Unifrax I LLC

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unifrax-Fibermax-Duraboard-18R-Board.php

Physical Properties	Metric	English	Comments
Density	0.513 g/cc	0.0185 lb/in ³	Dry
Loss On Ignition	4.0 %	4.0 %	
	@Temperature 1260 °C, Time 86400 sec	@Temperature 2300 °F, Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.00137 GPa	0.198 ksi	Fired
	0.00176 GPa	0.255 ksi	Green

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	1800 °C	3270 °F	Continuous
Shrinkage	0.40 %	0.40 %	Linear
	@Time 86400 sec	@Time 24.0 hour	

Component Elements Properties	Metric	English	Comments
Al2O3	85 %	85 %	
SiO2	15 %	15 %	

Descriptive Properties	Value	Comments
Appearance	White	

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