

Pyrotek M-12 Compressible/Insulating Boards

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Applications High temperature gaskets Furnace covers Trough lining Advantages Low density Good insulating ability Information provided by Pyrotek.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Pyrotek-M-12-CompressibleInsulating-Boards.php

Physical Properties	Metric	English	Comments
Density	0.210 g/cc	0.00759 lb/in ³	
Loss On Ignition	7.0 %	7.0 %	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.000280 GPa @Treatment Temp. 815 °C	0.0406 ksi @Treatment Temp. 1500 °F	
Compressive Strength	0.0310 MPa	4.50 psi	to 5% deformation

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.0400 W/m-K @Temperature 240 °C	0.278 BTU-in/hr-ft ² -°F @Temperature 464 °F	
	0.0500 W/m-K @Temperature 425 °C	0.347 BTU-in/hr-ft ² -°F @Temperature 797 °F	
	0.0800 W/m-K @Temperature 870 °C	0.555 BTU-in/hr-ft ² -°F @Temperature 1600 °F	
Maximum Service Temperature, Air	1260 °C	2300 °F	Continuous

Component Elements Properties	Metric	English	Comments
Al2O3	37 %	37 %	
SiO2	51 %	51 %	

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