

Pyrotek M-18 Compressible/Insulating Boards

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Applications Trough, ladle and launder linings High temperature gaskets Mill board substitute Advantages Water moldable Excellent thermal shock resistance High compressibility Excellent resistance to chemical attack Information provided by Pyrotek.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Pyrotek-M-18-CompressibleInsulating-Boards.php

Physical Properties	Metric	English	Comments
Density	0.385 g/cc	0.0139 lb/in ³	
Loss On Ignition	7.0 %	7.0 %	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.000240 GPa	0.0348 ksi	prior to heating

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.0800 W/m-K	0.555 BTU-in/hr-ft ² -°F	
	@Temperature 260 °C	@Temperature 500 °F	
	0.110 W/m-K	0.763 BTU-in/hr-ft ² -°F	
	@Temperature 425 °C	@Temperature 797 °F	
	0.180 W/m-K	1.25 BTU-in/hr-ft ² -°F	
	@Temperature 870 °C	@Temperature 1600 °F	
Maximum Service Temperature, Air	1260 °C	2300 °F	Continuous

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	37 %	37 %	
SiO ₂	55 %	55 %	

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