

Pyrotek I-14 Insulating Board

Category : Ceramic , Oxide , Silicon Oxide

Material Notes:

Pyrotek's I-14 is a low density hydrous calcium silicate board which features exceptional strength and low thermal conductivity. Inorganic and incombustible, I-14 also contains no RDF's. Applications Thermal insulation Pot bake out panels Backup insulation

Advantages Exceptional strength Asbestos-free Easily cut to specifications Composed of incombustible, inorganic material Information provided by Pyrotek.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Pyrotek-I-14-Insulating-Board.php

Physical Properties	Metric	English	Comments
Density	0.256 g/cc	0.00925 lb/in ³	

Mechanical Properties	Metric	English	Comments
Flexural Strength	0.700 MPa	102 psi	
Compressive Strength	0.700 MPa	102 psi	at 5% deformation
	0.900 MPa	131 psi	at 10% deformation

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.0600 W/m-K	0.416 BTU-in/hr-ft ² -°F	
	@Temperature 93.0 °C	@Temperature 199 °F	
	0.0700 W/m-K	0.486 BTU-in/hr-ft ² -°F	
	@Temperature 204 °C	@Temperature 399 °F	
	0.100 W/m-K	0.694 BTU-in/hr-ft ² -°F	
	@Temperature 316 °C	@Temperature 601 °F	
	0.130 W/m-K	0.902 BTU-in/hr-ft ² -°F	
	@Temperature 427 °C	@Temperature 801 °F	
Maximum Service Temperature, Air	927 °C	1700 °F	Continuous

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