

Pyrotek NAD-250 Structural Insulation Board

Category : Ceramic

Material Notes:

NAD-250 is a general purpose cement board. It is suitable for low-voltage electrical insulation in dry conditions. Applications Oven shelves Platen insulators Coil boxes Foundry core plates Heat guards Advantages High strength Thermal stability Corrosion resistance Flame resistance Good machinability Information provided by Pyrotek.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Pyrotek-NAD-250-Structural-Insulation-Board.php

Physical Properties	Metric	English	Comments
Density	1.602 g/cc	0.05788 lb/in ³	
Water Absorption	21 %	21 %	

Mechanical Properties	Metric	English	Comments
Flexural Strength	18.0 MPa	2610 psi	
Compressive Strength	72.0 MPa	10400 psi	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.340 W/m-K @Temperature 121 °C	2.36 BTU-in/hr-ft ² -°F @Temperature 250 °F	
Maximum Service Temperature, Air	250 °C	482 °F	Continuous use
	315 °C	599 °F	
Shrinkage	0.85 %	0.85 %	Length
	3.7 %	3.7 %	Thickness

Electrical Properties	Metric	English	Comments
Volume Resistivity	7.10e+10 ohm-cm	7.10e+10 ohm-cm	
Dielectric Strength	1.38 kV/mm	35.1 kV/in	
Arc Resistance	260 sec	260 sec	

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