

BNZ Materials Transite HT Low Temperature Industrial Board

Category : Ceramic , Oxide

Material Notes:

These non-asbestos, monolithic fiber cement industrial boards are used in environments up to 1000°F where high strength is the primary concern. These fiber cement boards are used in the foundry industry for flask liners, core, drying and carry plates, and induction furnace casings. Electrical applications include busbar supports, aluminum pot insulation, and electrode arm insulators. Information provided by BNZ Materials Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BNZ-Materials-Transite-HT-Low-Temperature-Industrial-Board.php

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0579 lb/in ³	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.0190 GPa	2.76 ksi	
Compressive Yield Strength	44.8 MPa @Strain 5.00 %	6500 psi @Strain 5.00 %	
Compressive Strength	71.7 MPa	10400 psi	ultimate load

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	
Shrinkage	0.85 % @Temperature 316 °C, Time 86400 sec	0.85 % @Temperature 600 °F, Time 24.0 hour	Length/width
	3.7 % @Temperature 316 °C, Time 86400 sec	3.7 % @Temperature 600 °F, Time 24.0 hour	Thickness

Electrical Properties	Metric	English	Comments
Volume Resistivity	7.10e+10 ohm-cm	7.10e+10 ohm-cm	ASTM D257
Dielectric Strength	1.38 kV/mm	35.0 kV/in	ASTM D495
Arc Resistance	260 sec	260 sec	ASTM D495

Processing Properties	Metric	English	Comments
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Moisture Content	12 %	12 %	
Processing Properties	Metric	English	Comments

Contact Songhan Plastic Technology Co.,Ltd.

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