

BNZ Materials Marinite® C Ceramic Board for Aluminum Contact

Category : Ceramic , Oxide

Material Notes:

These boards are heat treated formulations for use in conveying, containing and forming molten aluminum and other non-ferrous metals.

Applications include holding furnace linings, tips for continuous casters, transition plates, rings, plugs, baffles, troughs, spouts, floats and filter boxes. Information provided by BNZ Materials Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BNZ-Materials-Marinite-C-Ceramic-Board-for-Aluminum-Contact.php

Physical Properties	Metric	English	Comments
Density	0.865 g/cc	0.0312 lb/in ³	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.00620 GPa	0.899 ksi	
Compressive Yield Strength	11.0 MPa @Strain 5.00 %	1600 psi @Strain 5.00 %	
Compressive Strength	15.2 MPa	2200 psi	ultimate load

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.140 W/m-K	0.972 BTU-in/hr-ft ² -°F	
	@Temperature 204 °C	@Temperature 399 °F	
	0.140 W/m-K	0.972 BTU-in/hr-ft ² -°F	
	@Temperature 316 °C	@Temperature 601 °F	
	0.150 W/m-K	1.04 BTU-in/hr-ft ² -°F	
	@Temperature 427 °C	@Temperature 801 °F	
	0.150 W/m-K	1.04 BTU-in/hr-ft ² -°F	
	@Temperature 538 °C	@Temperature 1000 °F	
Shrinkage	2.3 %	2.3 %	Length/width, Soaking Heat Changes
	@Temperature 732 °C, Time 86400 sec	@Temperature 1350 °F, Time 24.0 hour	
	9.4 %	9.4 %	Thickness, Soaking Heat Changes
	@Temperature 732 °C, Time 86400 sec	@Temperature 1350 °F, Time 24.0 hour	

Component Elements Properties	Metric	English	Comments
Loss on Ignition(%)	5.8 %	5.8 %	
	@Temperature 732 °C	@Temperature 1350 °F	

Processing Properties	Metric	English	Comments
Moisture Content	2.5 %	2.5 %	

Descriptive Properties	Value	Comments
Screw Holding Strength	100 kg	at 7/8" penetration

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China