

BNZ Materials Bazelite 2300 Insulating Castable

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

Bazelite 2300 is a lightweight, general purpose insulating castable. Can be used for back-up or exposed to furnace conditions. Used for one-shot linings, petrochemical heaters, combustion chambers and furnace doors and covers. Frequently used in those areas that would require a 2300°F (1260°C) Insulating Fire Brick. Information provided by BNZ Materials Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BNZ-Materials-Bazelite-2300-Insulating-Castable.php

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in ³	Fired at 5 hrs at 816°C

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.000480 GPa	0.0696 ksi	Fired; ASTM C268
	@Temperature 540 °C	@Temperature 1000 °F	
	0.000550 GPa	0.0798 ksi	ASTM C268
	@Temperature 815 °C	@Temperature 1500 °F	
	0.000620 GPa	0.0899 ksi	
@Temperature 1095 °C	@Temperature 2003 °F		
Compressive Strength	0.000900 GPa	0.131 ksi	Dried; ASTM C268
	@Temperature 104 °C	@Temperature 219 °F	
	0.00138 GPa	0.200 ksi	ASTM C268
	@Temperature 1260 °C	@Temperature 2300 °F	
	1.86 MPa	270 psi	
	@Temperature 1095 °C	@Temperature 2003 °F	
	3.45 MPa	500 psi	Cold Crush Strength
@Temperature 815 °C	@Temperature 1500 °F		
3.79 MPa	550 psi	Cold Crush Strength	
@Temperature 1260 °C	@Temperature 2300 °F		
2.21 MPa	320 psi	Cold Crush Strength; Dried 104°C	
@Treatment Temp. 540 °C	@Treatment Temp. 1000 °F		
2.76 MPa	400 psi	Cold Crush Strength; Dried 104°C	

Mechanical Properties	@Treatment Temp. 104 Metric	@Treatment Temp. 219 English	Comments
-----------------------	--------------------------------	---------------------------------	----------

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	1260 °C	2300 °F	
Shrinkage	0.10 % @Temperature 815 °C	0.10 % @Temperature 1500 °F	Permanent Linear Change; ASTM C210
	0.20 % @Temperature 540 °C	0.20 % @Temperature 1000 °F	
	0.20 % @Temperature 1095 °C	0.20 % @Temperature 2003 °F	
	0.90 % @Temperature 1260 °C	0.90 % @Temperature 2300 °F	

Component Elements Properties	Metric	English	Comments
Al2O3	43.9 %	43.9 %	
CaO	6.7 %	6.7 %	
Fe2O3	3.2 %	3.2 %	
MgO	0.20 %	0.20 %	
Na2O	0.90 %	0.90 %	Includes K ₂ O
SiO2	43.8 %	43.8 %	
TiO2	1.8 %	1.8 %	

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