

BNZ Materials No. 2986 Mortar

Category : Ceramic , Oxide , Silicon Oxide

Material Notes:

No. 2986 is a highly refractory mortar very similar to Blakbond, but gray to tan in color. Temperature to 3000°F. Information provided by BNZ Materials Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BNZ-Materials-No-2986-Mortar.php

Physical Properties	Metric	English	Comments
Bulk Density	2.02 g/cc	0.0729 lb/in ³	Dipping, 4% H2O
	2.07 g/cc	0.0747 lb/in ³	As received

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.00362 GPa	0.525 ksi	Dipped Joint; ASTM C198
	0.0276 GPa	4.00 ksi	Mortar

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	1650 °C	3000 °F	
Shrinkage	5.0 %	5.0 %	Permanent Linear Change at Use Limit

Component Elements Properties	Metric	English	Comments
Al2O3	46.3 %	46.3 %	
CaO	0.20 %	0.20 %	
Fe2O3	1.5 %	1.5 %	
K2O	0.90 %	0.90 %	
Loss on Ignition(%)	1.2 %	1.2 %	
Na2O	2.4 %	2.4 %	
SiO2	46.8 %	46.8 %	
TiO2	1.1 %	1.1 %	

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