

BNZ Materials 2861LI Insulating Aggregate

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

BNZ manufactures a variety of insulating and dense castable refractories to meet the exacting needs of the high temperature processing industries. These hydraulic setting products are suitable for installation by various methods including gunning, casting or slap-troweling. Each product is specifically formulated to economically obtain the desired properties for the application and service temperature for which it is intended. Information provided by BNZ Materials Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BNZ-Materials-2861LI-Insulating-Aggregate.php

Physical Properties	Metric	English	Comments
Density	0.977 g/cc	0.0353 lb/in ³	

Mechanical Properties	Metric	English	Comments
Compressive Strength	2.76 MPa	400 psi	

Thermal Properties	Metric	English	Comments
Shrinkage	0.00 %	0.00 %	Permanent Linear Change; ASTM C210
	@Temperature 1427 °C, Time 86400 sec	@Temperature 2601 °F, Time 24.0 hour	
	0.00 %	0.00 %	Permanent Linear Change; ASTM C210
@Temperature 1482 °C, Time 86400 sec	@Temperature 2700 °F, Time 24.0 hour		
	1.5 %	1.5 %	Permanent Linear Change; ASTM C210
	@Temperature 1538 °C, Time 86400 sec	@Temperature 2800 °F, Time 24.0 hour	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	59.9 %	59.9 %	
CaO	0.10 %	0.10 %	
Fe ₂ O ₃	0.50 %	0.50 %	
MgO	0.10 %	0.10 %	
Na ₂ O	0.30 %	0.30 %	Includes K ₂ O
SiO ₂	37.8 %	37.8 %	
TiO ₂	1.3 %	1.3 %	

Component Elements Properties

Metric

English

Comments

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