

Sharadaa Ceramics REFINSUL ZAP-014 Insulating Castables

Category : Ceramic

Material Notes:

Description: We provide our clients a range of Insulating Castables, that are used as backup layer in process industries and hot face layer in petrochemical industry. These castables are known for low density and low thermal conductivity, and are helpful in conserving heat energy thus reducing fuel costs. Information provided by Sharadaa Ceramics Pvt. Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Sharadaa-Ceramics-REFINSUL-ZAP-014-Insulating-Castables.php

Physical Properties	Metric	English	Comments
Bulk Density	<= 0.850 g/cc	<= 0.0307 lb/in ³	Dried at 110 ^o C

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.000392 GPa	0.0569 ksi	Dried at 110 ^o C
	0.000294 GPa	0.0426 ksi	
	@Treatment Temp. 1100 ^o C	@Treatment Temp. 2010 ^o F	
Compressive Strength	0.000294 GPa	0.0426 ksi	
	@Treatment Temp. 3400 ^o C	@Treatment Temp. 6150 ^o F	
Compressive Strength	0.392 MPa	56.9 psi	Fired at 800 ^o C, Cold Crushing
	0.588 MPa	85.3 psi	Fired at Service temp. of 1100 ^o C, Cold Crushing
	1.18 MPa	171 psi	Dried at 110 ^o C, Cold Crushing

Thermal Properties	Metric	English	Comments
Thermal Conductivity	<= 0.163 W/m-K	<= 1.13 BTU-in/hr-ft ² - ^o F	
	@Temperature 500 ^o C	@Temperature 932 ^o F	

Component Elements Properties	Metric	English	Comments
Al2O3	>= 32 %	>= 32 %	
Fe2O3	<= 8.5 %	<= 8.5 %	

Descriptive Properties	Value	Comments
Permanent Linear Change	-1.0 - 1.0%	Fired at 800 ^o C

Descriptive Properties

Value 1.6%

Comments vice temp. 1100Å°C

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