

Sharadaa Ceramics REFINSUL ZAP-015 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-015-Insulating-Castables.php

Physical Properties	Metric	English	Comments
Bulk Density	<= 0.900 g/cc	<= 0.0325 lb/in ³	Dried at 110 ^o C

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.000785 GPa	0.114 ksi	Dried at 110 ^o C
	0.000686 GPa	0.0995 ksi	
	@Treatment Temp. 800 ^o C	@Treatment Temp. 1470 ^o F	
Compressive Strength	0.000785 GPa	0.114 ksi	
	@Treatment Temp. 1300 ^o C	@Treatment Temp. 2370 ^o F	
	1.96 MPa	284 psi	Fired at 800 ^o C, Cold Crushing
	2.45 MPa	356 psi	Dried at 110 ^o C, Cold Crushing
	2.94 MPa	427 psi	Fired at Service temp. of 1300 ^o C, Cold Crushing

Thermal Properties	Metric	English	Comments
Thermal Conductivity	<= 0.232 W/m-K	<= 1.61 BTU-in/hr-ft ² - ^o F	
	@Temperature 500 ^o C	@Temperature 932 ^o F	

Component Elements Properties	Metric	English	Comments
Al2O3	>= 40 %	>= 40 %	
Fe2O3	<= 1.0 %	<= 1.0 %	

Descriptive Properties	Value	Comments
Permanent Linear Change	-0.3 - 0.3%	Fired at 800 ^o C

Descriptive Properties

Value 1.0%

Comments vice temp. 1300Å°C

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