

Sharadaa Ceramics REFINSUL ZAP-019 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-019-Insulating-Castables.php

Physical Properties	Metric	English	Comments
Bulk Density	<= 1.45 g/cc	<= 0.0524 lb/in ³	Dried at 110 ^o C

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.001765 GPa	0.2560 ksi	Dried at 110 ^o C
	0.00137 GPa	0.199 ksi	
	@Treatment Temp. 800 ^o C	@Treatment Temp. 1470 ^o F	
Compressive Strength	0.00147 GPa	0.213 ksi	
	@Treatment Temp. 1300 ^o C	@Treatment Temp. 2370 ^o F	
	3.92 MPa	569 psi	Fired at 800 ^o C, Cold Crushing
	4.90 MPa	711 psi	Fired at Service temp. of 1300 ^o C, Cold Crushing
	8.34 MPa	1210 psi	Dried at 110 ^o C, Cold Crushing

Thermal Properties	Metric	English	Comments
Thermal Conductivity	<= 0.465 W/m-K	<= 3.23 BTU-in/hr-ft ² - ^o F	
	@Temperature 500 ^o C	@Temperature 932 ^o F	

Component Elements Properties	Metric	English	Comments
Al2O3	>= 42 %	>= 42 %	
Fe2O3	<= 1.5 %	<= 1.5 %	

Descriptive Properties	Value	Comments
Permanent Linear Change	-0.2 - 0.2%	Fired at 800 ^o C

Descriptive Properties

Value 0.6%

Comments vice temp. 1300Å°C

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