

Sharadaa Ceramics REFINSUL ZAP-020 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-020-Insulating-Castables.php

Physical Properties	Metric	English	Comments
Bulk Density	<= 1.60 g/cc	<= 0.0578 lb/in ³	Dried at 110 ^o C

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.00235 GPa	0.341 ksi	Dried at 110 ^o C
	0.00177 GPa	0.257 ksi	
	@Treatment Temp. 800 ^o C	@Treatment Temp. 1470 ^o F	
Compressive Strength	0.00196 GPa	0.284 ksi	
	@Treatment Temp. 1300 ^o C	@Treatment Temp. 2370 ^o F	
	7.35 MPa	1070 psi	Fired at 800 ^o C, Cold Crushing
	8.83 MPa	1280 psi	Fired at Service temp. of 1300 ^o C, Cold Crushing
	12.7 MPa	1850 psi	Dried at 110 ^o C, Cold Crushing

Thermal Properties	Metric	English	Comments
Thermal Conductivity	<= 0.511 W/m-K	<= 3.55 BTU-in/hr-ft ² - ^o F	
	@Temperature 500 ^o C	@Temperature 932 ^o F	

Component Elements Properties	Metric	English	Comments
Al2O3	>= 43 %	>= 43 %	
Fe2O3	<= 1.5 %	<= 1.5 %	

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

Descriptive Properties

Value 1.0%

Comments vice temp. 1300Å°C

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