

Sharadaa Ceramics REFINSUL ZAP-017 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-017-Insulating-Castables.php

Physical Properties	Metric	English	Comments
Bulk Density	≤ 1.20 g/cc	≤ 0.0434 lb/in ³	Dried at 110 ^o C

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.00108 GPa	0.157 ksi	Dried at 110 ^o C
	0.000686 GPa	0.0995 ksi	
	@Treatment Temp. 800 ^o C	@Treatment Temp. 1470 ^o F	
Compressive Strength	0.00108 GPa	0.157 ksi	
	@Treatment Temp. 1300 ^o C	@Treatment Temp. 2370 ^o F	
	2.45 MPa	356 psi	Fired at 800 ^o C, Cold Crushing
	3.92 MPa	569 psi	Dried at 110 ^o C, Cold Crushing
	3.92 MPa	569 psi	Fired at Service temp. of 1300 ^o C, Cold Crushing

Thermal Properties	Metric	English	Comments
Thermal Conductivity	≤ 0.360 W/m-K	≤ 2.50 BTU-in/hr-ft ² - ^o F	
	@Temperature 500 ^o C	@Temperature 932 ^o F	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	≥ 35 %	≥ 35 %	
Fe ₂ O ₃	≤ 3.5 %	≤ 3.5 %	

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

Descriptive Properties	Value	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

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