

Sharadaa Ceramics REFINSUL ZAP-018 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-018-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	0.00127 GPa	0.184 ksi	Dried at 110 ^o C
	0.000980 GPa	0.142 ksi	
	@Treatment Temp. 800 ^o C	@Treatment Temp. 1470 ^o F	
Compressive Strength	0.00118 GPa	0.171 ksi	
	@Treatment Temp. 1300 ^o C	@Treatment Temp. 2370 ^o F	
	2.94 MPa	427 psi	Fired at 800 ^o C, Cold Crushing
	4.90 MPa	711 psi	Dried at 110 ^o C, Cold Crushing
	4.90 MPa	711 psi	Fired at Service temp. of 1300 ^o C, Cold Crushing

Thermal Properties	Metric	English	Comments
Thermal Conductivity	≤ 0.395 W/m-K	≤ 2.74 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	≤ 1.5 %	≤ 1.5 %	

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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