

Sharadaa Ceramics REFCAST HA High Alumina Castables

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

Description: We bring to our clients a qualitative range of Dense Alumina Castables that are conventional castable of medium purity. These castables cater to the application needs of various industries such as steel, cement, petrochemical and non-ferrous industries. Information provided by Sharadaa Ceramics Pvt. Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Sharadaa-Ceramics-REFCAST-HA-High-Alumina-Castables.php

Physical Properties	Metric	English	Comments
Bulk Density	>= 2.75 g/cc	>= 0.0994 lb/in ³	Dried at 110 ^o C
Grain Size	<= 5000 μ m	<= 5000 μ m	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.00490 GPa	0.711 ksi	
	@Temperature 1100 \AA ^o C	@Temperature 2010 \AA ^o F	
	0.00987 GPa	1.43 ksi	
	@Temperature 110 \AA ^o C	@Temperature 230 \AA ^o F	
Compressive Strength	0.0118 GPa	1.71 ksi	
	@Temperature 1500 \AA ^o C	@Temperature 2730 \AA ^o F	
	39.2 MPa	5690 psi	Cold Crushing
	@Temperature 1100 \AA ^o C	@Temperature 2010 \AA ^o F	
	58.8 MPa	8530 psi	Cold Crushing
	@Temperature 110 \AA ^o C	@Temperature 230 \AA ^o F	
	68.6 MPa	9960 psi	Cold Crushing
	@Temperature 1500 \AA ^o C	@Temperature 2730 \AA ^o F	
	24.5 MPa	3560 psi	Cold Crushing
	@Time 86400 sec	@Time 24.0 hour	

Thermal Properties	Metric	English	Comments
	1.16 W/m-K	8.05 BTU-in/hr-ft ² - \AA ^o F	

Thermal Conductivity Thermal Properties	Metric @Temperature 400 Â°C, Time 10800 sec	English @ Temperature 752 Â°F, Time 3.00 hour	Comments
	1.34 W/m-K	9.30 BTU-in/hr-ftÂ²- Â°F	
	@Temperature 600 Â°C, Time 10800 sec	@Temperature 1110 Â°F, Time 3.00 hour	
	1.39 W/m-K	9.65 BTU-in/hr-ftÂ²- Â°F	
	@Temperature 800 Â°C, Time 10800 sec	@Temperature 1470 Â°F, Time 3.00 hour	
Maximum Service Temperature, Air	1800 Â°C	3270 Â°F	

Component Elements Properties	Metric	English	Comments
Al2O3	>= 94 %	>= 94 %	
Fe2O3	<= 0.30 %	<= 0.30 %	

Descriptive Properties	Value	Comments
Permanent Linear Change	<-0.05	800Â°C
	<-0.08	1100Â°C
	<-0.3	1500Â°C
Refractoriness	<1900Â°C	
Thermal Expansion	0.9	Reversible
Water Required to Mix	8-10%	

Contact Songhan Plastic Technology Co.,Ltd.

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