

Sharadaa Ceramics RECAST 80 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-RECAST-80-High-Alumina-Castables.php

Physical Properties	Metric	English	Comments
Bulk Density	>= 2.65 g/cc	>= 0.0957 lb/in ³	Dried at 110 ^o C
Grain Size	<= 5000 Åµm	<= 5000 Åµm	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.00392 GPa	0.569 ksi	
	@Temperature 1100 Å°C	@Temperature 2010 Å°F	
	0.00785 GPa	1.14 ksi	
	@Temperature 110 Å°C	@Temperature 230 Å°F	
Compressive Strength	0.00981 GPa	1.42 ksi	
	@Temperature 1500 Å°C	@Temperature 2730 Å°F	
	36.8 MPa	5330 psi	Cold Crushing
	@Temperature 1100 Å°C	@Temperature 2010 Å°F	
Compressive Strength	49.0 MPa	7110 psi	
	@Temperature 1500 Å°C	@Temperature 2730 Å°F	Cold Crushing
	53.9 MPa	7820 psi	Cold Crushing
	@Temperature 110 Å°C	@Temperature 230 Å°F	
Compressive Strength	24.5 MPa	3560 psi	
	@Time 86400 sec	@Time 24.0 hour	Cold Crushing

Thermal Properties	Metric	English	Comments
	1.22 W/m-K	8.47 BTU-in/hr-ftÅ²- Å°F	

Thermal Conductivity Thermal Properties	Metric @Temperature 400 Â°C, Time 10800 sec	English @ Temperature 752 Â°F, Time 3.00 hour	Comments
	1.28 W/m-K	8.88 BTU-in/hr-ftÂ²- Â°F	
	@Temperature 600 Â°C, Time 10800 sec	@Temperature 1110 Â°F, Time 3.00 hour	
	1.34 W/m-K	9.30 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	1700 Â°C	3090 Â°F	

Component Elements Properties	Metric	English	Comments
Al2O3	>= 85 %	>= 85 %	
Fe2O3	<= 1.2 %	<= 1.2 %	

Descriptive Properties	Value	Comments
Permanent Linear Change	<-0.08	800Â°C
	<-0.15	1100Â°C
	<-0.9	1500Â°C
Refractoriness	1750Â°C	
Thermal Expansion	0.85	Reversible
Water Required to Mix	9-11%	

Contact Songhan Plastic Technology Co.,Ltd.

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