

Sharadaa Ceramics RECAST K SUPER 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-K-SUPER-High-Alumina-Castables.php

Physical Properties	Metric	English	Comments
Bulk Density	>= 2.00 g/cc	>= 0.0723 lb/in ³	Dried at 110 ^o C
Grain Size	<= 5000 Åµm	<= 5000 Åµm	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.00294 GPa	0.426 ksi	
	@Temperature 1100 Å°C	@Temperature 2010 Å°F	
	0.00637 GPa	0.924 ksi	
	@Temperature 110 Å°C	@Temperature 230 Å°F	
Compressive Strength	0.00883 GPa	1.28 ksi	
	@Temperature 1500 Å°C	@Temperature 2730 Å°F	
	34.3 MPa	4980 psi	Cold Crushing
	@Temperature 1100 Å°C	@Temperature 2010 Å°F	
	49.0 MPa	7110 psi	Cold Crushing
	@Temperature 110 Å°C	@Temperature 230 Å°F	
	58.8 MPa	8530 psi	Cold Crushing
	@Temperature 1500 Å°C	@Temperature 2730 Å°F	
	24.5 MPa	3560 psi	Cold Crushing
	@Time 86400 sec	@Time 24.0 hour	

Thermal Properties	Metric	English	Comments
	0.930 W/m-K	6.45 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
	0.988 W/m-K	6.86 BTU-in/hr-ftÂ²- Â°F	
	@Temperature 600 Â°C, Time 10800 sec	@Temperature 1110 Â°F, Time 3.00 hour	
	1.10 W/m-K	7.63 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	1550 Â°C	2820 Â°F	

Component Elements Properties	Metric	English	Comments
Al2O3	>= 60 %	>= 60 %	
Fe2O3	<= 1.0 %	<= 1.0 %	

Descriptive Properties	Value	Comments
Permanent Linear Change	<-0.12	800Â°C
	<-0.19	1100Â°C
	<-1.2	1500Â°C
Refractoriness	1680Â°C	
Thermal Expansion	0.6	Reversible
Water Required to Mix	9-11%	

Contact Songhan Plastic Technology Co.,Ltd.

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