

## Sharadaa Ceramics REFCAST HA PLUS 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-PLUS-High-Alumina-Castables.php](http://www.lookpolymers.com/polymer_Sharadaa-Ceramics-REFCAST-HA-PLUS-High-Alumina-Castables.php)

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

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.00343 GPa	0.497 ksi	
	@Temperature 1100 $\text{\AA}$ °C	@Temperature 2010 $\text{\AA}$ °F	
	0.00735 GPa	1.07 ksi	
	@Temperature 110 $\text{\AA}$ °C	@Temperature 230 $\text{\AA}$ °F	
Compressive Strength	0.00883 GPa	1.28 ksi	
	@Temperature 1500 $\text{\AA}$ °C	@Temperature 2730 $\text{\AA}$ °F	
	29.4 MPa	4270 psi	Cold Crushing
	@Temperature 1100 $\text{\AA}$ °C	@Temperature 2010 $\text{\AA}$ °F	
	39.2 MPa	5690 psi	Cold Crushing
	@Temperature 110 $\text{\AA}$ °C	@Temperature 230 $\text{\AA}$ °F	
	68.6 MPa	9960 psi	Cold Crushing
	@Temperature 1500 $\text{\AA}$ °C	@Temperature 2730 $\text{\AA}$ °F	
	19.6 MPa	2840 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 <sup>2</sup> - $\text{\AA}$ °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	1850 Â°C	3360 Â°F	

Component Elements Properties	Metric	English	Comments
Al2O3	>= 96 %	>= 96 %	
Fe2O3	<= 0.30 %	<= 0.30 %	

Descriptive Properties	Value	Comments
Permanent Linear Change	<-0.05	800Â°C
	<-0.08	1100Â°C
	<-0.2	1500Â°C
Refractoriness	<1900Â°C	
Thermal Expansion	0.9	Reversible
Water Required to Mix	8-10%	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China