

## Sharadaa Ceramics Sharada RFC-80 Gel Bonded Castables

Category : Ceramic , Oxide , Aluminum Oxide

### Material Notes:

Mullite Bonded Free Flowing Cement Free Versatile Castable System  
 Product Characteristics: High Mullitisation, Free from Low Temperature eutectics, Non wetting to molten metals Ferrous/Non Ferrous, Extreme resistance to thermal, Ultra high creep resistance-High HMOR, Intricate shaped Precast blocks superior to fired and Resistance to Mill scale /Accretion  
 Industry Focus: Steel: Blast Furnace Trough, Torpedo Ladles, Lances/Snorkel, Burner Blocks, Reheat furnace roof/Hearth, Coke Oven door/Roof Repair, Sponge Iron DRI Maintenance, Tundish Flow control device/Well blocks/Nozzles; Cement: Burner Pipe; Non Ferrous: Non wetting to Aluminum/Copper, Lined in Melting furnace walls, Launderers, Aluminum Transfer Ladles; Ceramic: Fused silica kiln furniture for Ultra Low thermal, Expansion and High resistance to thermal shock; Ferrous Foundry: Ladles; Glass: Repair of Silica Roof, Sub paving.  
 Information provided by Sharadaa Ceramics Pvt. Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Sharadaa-Ceramics-Sharada-RFC-80-Gel-Bonded-Castables.php](http://www.lookpolymers.com/polymer_Sharadaa-Ceramics-Sharada-RFC-80-Gel-Bonded-Castables.php)

Physical Properties	Metric	English	Comments
Bulk Density	2.60 g/cc	0.0939 lb/in <sup>3</sup>	
	@Temperature 1400 °C	@Temperature 2550 °F	
	2.70 g/cc	0.0975 lb/in <sup>3</sup>	
	@Temperature 800 °C	@Temperature 1470 °F	
Porosity	2.80 g/cc	0.101 lb/in <sup>3</sup>	
	@Temperature 200 °C	@Temperature 392 °F	
	15 %	15 %	
	16 %	16 %	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.120 GPa	17.4 ksi	
	@Temperature 1400 °C	@Temperature 2550 °F	Hot
Compressive Strength	49.0 MPa	7110 psi	
	@Temperature 800 °C	@Temperature 1470 °F	Cold Crushing
	68.6 MPa	9960 psi	
	@Temperature 1400 °C	@Temperature 2550 °F	Cold Crushing

Component Elements Properties	Metric	English	Comments
Al2O3	80 %	80 %	
Fe2O3	1.5 %	1.5 %	

Descriptive Properties	Value	Comments
Base Material	Low Iron Bauxite	
Permanent Linear Change	-1.0 - 1.0%	1400Â°C

## 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