

## Sharadaa Ceramics Sharada AlO-SiC-C 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-AlO-SiC-C-Gel-Bonded-Castables.php](http://www.lookpolymers.com/polymer_Sharadaa-Ceramics-Sharada-AlO-SiC-C-Gel-Bonded-Castables.php)

Physical Properties	Metric	English	Comments
Bulk Density	2.30 g/cc	0.0831 lb/in <sup>3</sup>	
	@Temperature 1400 °C	@Temperature 2550 °F	
	2.40 g/cc	0.0867 lb/in <sup>3</sup>	
	@Temperature 800 °C	@Temperature 1470 °F	
Porosity	2.50 g/cc	0.0903 lb/in <sup>3</sup>	
	@Temperature 200 °C	@Temperature 392 °F	
	20 %	20 %	
	21 %	21 %	

Mechanical Properties	Metric	English	Comments
Compressive Strength	21.6 MPa	3130 psi	Cold Crushing
	@Temperature 800 °C	@Temperature 1470 °F	
	24.5 MPa	3560 psi	Cold Crushing
	@Temperature 1400 °C	@Temperature 2550 °F	

Component Elements Properties	Metric	English	Comments
Al2O3	70 %	70 %	

Component Elements Properties	Metric	English	Comments
<b>Descriptive Properties</b>			
Base Material		Cal. Bauxite/Sic/C	
Permanent Linear Change		-1.0 - 1.0%	1400Å°C

## Contact Songhan Plastic Technology Co.,Ltd.

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