

Sharadaa Ceramics Sharada RFC-95 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-95-Gel-Bonded-Castables.php

Physical Properties	Metric	English	Comments
Bulk Density	2.80 g/cc	0.101 lb/in ³	
	@Temperature 1400 °C	@Temperature 2550 °F	
	2.90 g/cc	0.105 lb/in ³	
	@Temperature 800 °C	@Temperature 1470 °F	
	3.00 g/cc	0.108 lb/in ³	
	@Temperature 200 °C	@Temperature 392 °F	
Porosity	12 %	12 %	
	13 %	13 %	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.200 GPa	29.0 ksi	
	@Temperature 1400 °C	@Temperature 2550 °F	Hot
Compressive Strength	68.6 MPa	9960 psi	
	@Temperature 800 °C	@Temperature 1470 °F	Cold Crushing
	88.3 MPa	12800 psi	
	@Temperature 1400 °C	@Temperature 2550 °F	Cold Crushing

Component Elements Properties	Metric	English	Comments
Al2O3	95 %	95 %	
Fe2O3	0.30 %	0.30 %	

Descriptive Properties	Value	Comments
Base Material	White Fused Alumina	
Permanent Linear Change	-1.0 - 1.0%	1400Â°C

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