

Sharadaa Ceramics Sharada RFC-90 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-90-Gel-Bonded-Castables.php

Physical Properties	Metric	English	Comments
Bulk Density	2.70 g/cc	0.0975 lb/in ³	
	@Temperature 1400 °C	@Temperature 2550 °F	
	2.80 g/cc	0.101 lb/in ³	
	@Temperature 800 °C	@Temperature 1470 °F	
	2.90 g/cc	0.105 lb/in ³	
	@Temperature 200 °C	@Temperature 392 °F	
Porosity	13 %	13 %	
	14 %	14 %	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.180 GPa	26.1 ksi	
	@Temperature 1400 °C	@Temperature 2550 °F	Hot
Compressive Strength	58.8 MPa	8530 psi	
	@Temperature 800 °C	@Temperature 1470 °F	Cold Crushing
	78.5 MPa	11400 psi	
	@Temperature 1400 °C	@Temperature 2550 °F	Cold Crushing

Component Elements Properties	Metric	English	Comments
Al2O3	90 %	90 %	
Fe2O3	1.0 %	1.0 %	

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

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