

Sharadaa Ceramics VELECRETE RC 105 Rodding Castables

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

Description: The Rodding Castables offered by us are user friendly in nature and does not require high energy mixing machines and vibrators. Free flowing in nature, these castables are designed in compliance with international standards. Bond: Ultrafine Aggregate: Andalusite Type of Setting: Hydraulic Application area: Tip casting & Burner Pipe Information provided by Sharadaa Ceramics Pvt. Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Sharadaa-Ceramics-VELECRETE-RC-105-Rodding-Castables.php

Physical Properties	Metric	English	Comments
Bulk Density	2.10 g/cc	0.0759 lb/in ³	After Drying at 110 ^o C
Grain Size	<= 8000 μ m	<= 8000 μ m	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.0160 GPa	2.32 ksi	Cold
	@Temperature 1000 \AA °C	@Temperature 1830 \AA °F	
	0.0200 GPa	2.90 ksi	
	@Temperature 110 \AA °C	@Temperature 230 \AA °F	Cold
Compressive Strength	0.0200 GPa	2.90 ksi	Cold
	@Temperature 1400 \AA °C	@Temperature 2550 \AA °F	
	0.0200 GPa	2.90 ksi	
	@Temperature 1100 \AA °C	@Temperature 2010 \AA °F	Hot
Compressive Strength	80.0 MPa	11600 psi	Cold Crushing
	@Temperature 1000 \AA °C	@Temperature 1830 \AA °F	
	100 MPa	14500 psi	
	@Temperature 110 \AA °C	@Temperature 230 \AA °F	Cold Crushing
Compressive Strength	100 MPa	14500 psi	Cold Crushing
	@Temperature 1400 \AA °C	@Temperature 2550 \AA °F	

Thermal Properties	Metric	English	Comments
	1.98 W/m-K	13.7 BTU-in/hr-ft ² - \AA °F	

Thermal Properties	Metric	English	Hot Face Comments
	@ Temperature 600 °C	@ Temperature 1110 °F	
Maximum Service Temperature, Air	1650 °C	3000 °F	

Component Elements Properties	Metric	English	Comments
Al2O3	58 %	58 %	
Fe2O3	1.0 %	1.0 %	

Descriptive Properties	Value	Comments
Permanent Linear Change	<1.0%	1650°C
Thermal Expansion	0.9	at 1100°C
Thermal Shock Resistance	Excellent	

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