

Sharadaa Ceramics ZAP 005 Smart Cast Application

Category : Ceramic

Material Notes:

Special Properties: Non-wetting, Slag and Hot Abrasion Resistance
 Industry: Steel
 Application: Trough Lining
 Information provided by Sharadaa Ceramics Pvt. Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Sharadaa-Ceramics-ZAP-005-Smart-Cast-Application.php

Physical Properties	Metric	English	Comments
Bulk Density	>= 2.65 g/cc	>= 0.0957 lb/in ³	After Drying at 110 ^o C
Grain Size	<= 5000 μ m	<= 5000 μ m	

Mechanical Properties	Metric	English	Comments
Compressive Strength	29.4 MPa	4270 psi	Cold Crushing
	@Temperature 110 ^o C	@Temperature 230 ^o F	
	53.9 MPa	7820 psi	Cold Crushing
	@Temperature 1100 ^o C	@Temperature 2010 ^o F	
	78.5 MPa	11400 psi	Cold Crushing
	@Temperature 1500 ^o C	@Temperature 2730 ^o F	
	14.7 MPa	2130 psi	Cold Crushing
	@Time 86400 sec	@Time 24.0 hour	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	1700 ^o C	3090 ^o F	

Descriptive Properties	Value	Comments
Refractoriness	>1820 ^o C	
Thermal Expansion	0.8	Reversible
Water Required to Mix	8-10%	

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