

Sharadaa Ceramics ZAP 008 Smart Cast Application

Category : Ceramic

Material Notes:

Special Properties: Thermal Shock Slag Resistance Industry: Steel Application: Pig Iron Ladle Safety Layer, Sponge Iron Rotary Kiln

Backup Information provided by Sharadaa Ceramics Pvt. Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Sharadaa-Ceramics-ZAP-008-Smart-Cast-Application.php

Physical Properties	Metric	English	Comments
Bulk Density	>= 2.30 g/cc	>= 0.0831 lb/in ³	After Drying at 110 ^o C
Grain Size	<= 5000 μ m	<= 5000 μ m	

Mechanical Properties	Metric	English	Comments
Compressive Strength	34.3 MPa	4980 psi	Cold Crushing
	@Temperature 110 ^o C	@Temperature 230 ^o F	
	78.5 MPa	11400 psi	Cold Crushing
	@Temperature 1100 ^o C	@Temperature 2010 ^o F	
	88.3 MPa	12800 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	1550 ^o C	2820 ^o F	

Descriptive Properties	Value	Comments
Refractoriness	>1680 ^o C	
Thermal Expansion	0.6	@ 1000 ^o C, Reversible
Water Required to Mix	5-5.5%	

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