

Sharadaa Ceramics ZAP 002 Smart Cast Application

Category : Ceramic

Material Notes:

Special Properties: Thermal Shock Slag Resistance Industry: Steel Application: Pig Iron Ladle working Layer Information provided by Sharadaa Ceramics Pvt. Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Sharadaa-Ceramics-ZAP-002-Smart-Cast-Application.php

Physical Properties	Metric	English	Comments
Bulk Density	$\geq 2.65 \text{ g/cc}$	$\geq 0.0957 \text{ lb/in}^3$	After Drying at 110°C
Grain Size	$\leq 10000 \text{ }\mu\text{m}$	$\leq 10000 \text{ }\mu\text{m}$	

Mechanical Properties	Metric	English	Comments
Compressive Strength	39.2 MPa	5690 psi	Cold Crushing
	@Temperature 110°C	@Temperature 230°F	
	78.5 MPa	11400 psi	Cold Crushing
	@Temperature 1100°C	@Temperature 2010°F	
	98.1 MPa	14200 psi	Cold Crushing
	@Temperature 1500°C	@Temperature 2730°F	
	17.2 MPa	2490 psi	Cold Crushing
	@Time 86400 sec	@Time 24.0 hour	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	1600°C	2910°F	

Descriptive Properties	Value	Comments
Refractoriness	$>1720^\circ\text{C}$	
Thermal Expansion	0.65	Reversible
Water Required to Mix	9-11%	

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