

Sharadaa Ceramics ZAP 004 Smart Cast Application

Category : Ceramic

Material Notes:

Special Properties: Thermal Shock, Abrasion, Alkali Resistance Industry: Steel Application: Lances, Launderers, Riser Tubes Information provided by Sharadaa Ceramics Pvt. Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Sharadaa-Ceramics-ZAP-004-Smart-Cast-Application.php

Physical Properties	Metric	English	Comments
Bulk Density	$\geq 2.70 \text{ g/cc}$	$\geq 0.0975 \text{ lb/in}^3$	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	68.6 MPa	9960 psi	Cold Crushing
	@Temperature 110°C	@Temperature 230°F	
	98.1 MPa	14200 psi	Cold Crushing
	@Temperature 1100°C	@Temperature 2010°F	
	118 MPa	17100 psi	Cold Crushing
	@Temperature 1500°C	@Temperature 2730°F	
	24.5 MPa	3560 psi	Cold Crushing
	@Time 86400 sec	@Time 24.0 hour	

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

Descriptive Properties	Value	Comments
Refractoriness	$>1800^\circ\text{C}$	
Thermal Expansion	0.5	Reversible
Water Required to Mix	10-12%	

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