

Sharadaa Ceramics ZAP 009 Smart Cast Application

Category : Ceramic

Material Notes:

Special Properties: Thermal Shock, Lesser Dross Formation, Non-wetting To Aluminum
Industry: Non-Ferrous
Application: Aluminum
Melting/Holding Furnace, Launderers, Risers, Transfer Laddles
Information provided by Sharadaa Ceramics Pvt. Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Sharadaa-Ceramics-ZAP-009-Smart-Cast-Application.php

Physical Properties	Metric	English	Comments
Bulk Density	>= 1.90 g/cc	>= 0.0686 lb/in ³	After Drying at 110 ^o C
Grain Size	<= 10000 μ m	<= 10000 μ m	

Mechanical Properties	Metric	English	Comments
Compressive Strength	29.4 MPa	4270 psi	Cold Crushing
	@Temperature 110 ^o C	@Temperature 230 ^o F	
	68.6 MPa	9960 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	
	17.2 MPa	2490 psi	Cold Crushing
	@Time 86400 sec	@Time 24.0 hour	

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

Descriptive Properties	Value	Comments
Refractoriness	>1600 ^o C	
Thermal Expansion	0.45	@ 1000 ^o C, Reversible
Water Required to Mix	9-11%	

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