

## Sharadaa Ceramics ZAP 010 Smart Cast Application

Category : Ceramic

### Material Notes:

Special Properties: High Strength Castable Industry: Non-Ferrous Application: Aluminum Melting/Holding Furnace Information provided by Sharadaa Ceramics Pvt. Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Sharadaa-Ceramics-ZAP-010-Smart-Cast-Application.php](http://www.lookpolymers.com/polymer_Sharadaa-Ceramics-ZAP-010-Smart-Cast-Application.php)

Physical Properties	Metric	English	Comments
Bulk Density	>= 2.90 g/cc	>= 0.105 lb/in <sup>3</sup>	After Drying at 110 <sup>o</sup> C
Grain Size	<= 10000 $\mu$ m	<= 10000 $\mu$ m	

Mechanical Properties	Metric	English	Comments
Compressive Strength	93.2 MPa	13500 psi	Cold Crushing
	@Temperature 110 <sup>o</sup> C	@Temperature 230 <sup>o</sup> F	
	101 MPa	14700 psi	Cold Crushing
	@Temperature 1200 <sup>o</sup> C	@Temperature 2190 <sup>o</sup> F	
	142 MPa	20600 psi	Cold Crushing
	@Temperature 1100 <sup>o</sup> C	@Temperature 2010 <sup>o</sup> F	
	58.8 MPa	8530 psi	Cold Crushing
	@Time 86400 sec	@Time 24.0 hour	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	1200 <sup>o</sup> C	2190 <sup>o</sup> F	

Descriptive Properties	Value	Comments
Refractoriness	>1500 <sup>o</sup> C	
Thermal Expansion	0.9	@ 1000 <sup>o</sup> C, Reversible
Water Required to Mix	10-12%	

## Contact Songhan Plastic Technology Co.,Ltd.

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