

## Sharadaa Ceramics REFINSUL 9 Insulating Castables Medium/High Purity

Category : Ceramic

### Material Notes:

Description: We offer our clients Insulating Castables that are available in medium as well as high purity. Widely used in various industries, these are renowned for their strength and heat resistance property. Information provided by Sharadaa Ceramics Pvt. Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Sharadaa-Ceramics-REFINSUL-9-Insulating-Castables-MediumHigh-Purity.php](http://www.lookpolymers.com/polymer_Sharadaa-Ceramics-REFINSUL-9-Insulating-Castables-MediumHigh-Purity.php)

Physical Properties	Metric	English	Comments
Bulk Density	1.10 g/cc	0.0397 lb/in <sup>3</sup>	Dried at 110 <sup>o</sup> C
Grain Size	<= 6000 $\mu$ m	<= 6000 $\mu$ m	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.00294 GPa	0.426 ksi	
	@Temperature 1100 <sup>o</sup> C	@Temperature 2010 <sup>o</sup> F	
	0.00637 GPa	0.924 ksi	
	@Temperature 110 <sup>o</sup> C	@Temperature 230 <sup>o</sup> F	
	0.00883 GPa	1.28 ksi	
	@Temperature 1500 <sup>o</sup> C	@Temperature 2730 <sup>o</sup> F	
Compressive Strength	0.981 MPa	142 psi	Cold Crushing
	@Temperature 800 <sup>o</sup> C	@Temperature 1470 <sup>o</sup> F	
	1.08 MPa	156 psi	Cold Crushing
	@Temperature 1100 <sup>o</sup> C	@Temperature 2010 <sup>o</sup> F	
	1.96 MPa	284 psi	Cold Crushing
	@Temperature 110 <sup>o</sup> C	@Temperature 230 <sup>o</sup> F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.314 W/m-K	2.18 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	0.930 W/m-K	6.45 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	0.988 W/m-K	6.86 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	

Thermal Properties	Metric	English	Comments
	1.10 W/m·K	7.19 BTU-in/hr-ft <sup>2</sup> -A°F	

Component Elements Properties	Metric	English	Comments
Fe2O3	6.0 %	6.0 %	

Descriptive Properties	Value	Comments
Permanent Linear Change	<-0.12%	800Â°C
	<-0.19%	1100Â°C
	<-1.2%	1500Â°C
	-1.2 - 1.2%	1100Â°C
Refractoriness	<1680Â°C	

## Contact Songhan Plastic Technology Co.,Ltd.

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