

## Gouda Vuurvast GOLITE 95 Refractory Insulating Castable

Category : Ceramic , Oxide , Silicon Oxide

### Material Notes:

Description: Golite 95 is widely applied as an insulating backlining behind a dense castable, especially in the petrochemical industry. Remarks: These values apply to cast products. Also available in gunning variety, marked "GM". Information provided by Gouda Vuurvast.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Gouda-Vuurvast-GOLITE-95-Refractory-Insulating-Castable.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-GOLITE-95-Refractory-Insulating-Castable.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.700 - 0.760 g/cc	0.0253 - 0.0275 lb/in <sup>3</sup>	After drying at 110 <sup>o</sup> C
Particle Size	<= 4000 $\mu$ m	<= 4000 $\mu$ m	Grain Size

Mechanical Properties	Metric	English	Comments
Compressive Strength	1.50 - 2.50 MPa	218 - 363 psi	Cold Crushing Strength
	@Temperature 950 <sup>o</sup> C	@Temperature 1740 <sup>o</sup> F	
Compressive Strength	2.50 - 3.50 MPa	363 - 508 psi	Cold Crushing Strength
	@Temperature 100 <sup>o</sup> C	@Temperature 212 <sup>o</sup> F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.140 - 0.220 W/m-K	0.972 - 1.53 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 100 <sup>o</sup> C	@Temperature 212 <sup>o</sup> F	
	0.180 - 0.260 W/m-K	1.25 - 1.80 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
Thermal Conductivity	@Temperature 600 <sup>o</sup> C	@Temperature 1110 <sup>o</sup> F	
	0.220 - 0.300 W/m-K	1.53 - 2.08 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
Thermal Conductivity	@Temperature 950 <sup>o</sup> C	@Temperature 1740 <sup>o</sup> F	
	Maximum Service Temperature, Air	950 <sup>o</sup> C	
Shrinkage	-4.00 - 1.00 %	-4.00 - 1.00 %	Permanent Linear Change
	@Temperature 950 <sup>o</sup> C	@Temperature 1740 <sup>o</sup> F	

Component Elements Properties	Metric	English	Comments
Al2O3	12 %	12 %	
SiO2	34 %	34 %	

Descriptive Properties	Value	Comments
ASTM Classification	N	
Material Consumption per 1 m3	625 kg	
Mixing Water	70-80 liters	per 100 kgs dry material

## Contact Songhan Plastic Technology Co.,Ltd.

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