

## Gouda Vuurvast GOLITE 155 Refractory Insulating Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

### Material Notes:

Description: Due to it's high strength at high temperatures, this material can be applied in direct contact with the firing process. 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-155-Refractory-Insulating-Castable.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-GOLITE-155-Refractory-Insulating-Castable.php)

Physical Properties	Metric	English	Comments
Bulk Density	1.45 - 1.55 g/cc	0.0524 - 0.0560 lb/in <sup>3</sup>	After drying at 110 <sup>o</sup> C
Particle Size	<= 5000 $\mu$ m	<= 5000 $\mu$ m	Grain Size

Mechanical Properties	Metric	English	Comments
Compressive Strength	15.0 - 21.0 MPa	2180 - 3050 psi	Cold Crushing Strength
	@Temperature 100 <sup>o</sup> C	@Temperature 212 <sup>o</sup> F	
Compressive Strength	22.0 - 28.0 MPa	3190 - 4060 psi	Cold Crushing Strength
	@Temperature 1370 <sup>o</sup> C	@Temperature 2500 <sup>o</sup> F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.360 - 0.460 W/m-K	2.50 - 3.19 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 100 <sup>o</sup> C	@Temperature 212 <sup>o</sup> F	
	0.410 - 0.510 W/m-K	2.85 - 3.54 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 600 <sup>o</sup> C	@Temperature 1110 <sup>o</sup> F	
	0.470 - 0.570 W/m-K	3.26 - 3.96 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 1370 <sup>o</sup> C	@Temperature 2500 <sup>o</sup> F	
Maximum Service Temperature, Air	1550 <sup>o</sup> C	2820 <sup>o</sup> F	
Shrinkage	-0.600 - 0.600 %	-0.600 - 0.600 %	Permanent Linear Change
	@Temperature 1370 <sup>o</sup> C	@Temperature 2500 <sup>o</sup> F	

Component Elements Properties	Metric	English	Comments

Al2O3 Component Elements Properties	52 % Metric	52 % English	Comments
SiO2	38 %	38 %	

Descriptive Properties	Value	Comments
ASTM Classification	S	
Material Consumption per 1 m3	1430 kg	
Mixing Water	20-25 liters	per 100 kgs dry material

## Contact Songhan Plastic Technology Co.,Ltd.

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