

## Gouda Vuurvast GOLITE 135 L Refractory Insulating Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

### Material Notes:

Description: Golite 135 L can be used in direct contact with fire and combines a good strength with a high insulation value. 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-135-L-Refractory-Insulating-Castable.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-GOLITE-135-L-Refractory-Insulating-Castable.php)

Physical Properties	Metric	English	Comments
Bulk Density	1.00 - 1.10 g/cc	0.0361 - 0.0397 lb/in <sup>3</sup>	After drying at 110 <sup>o</sup> C
Particle Size	<= 7000 $\mu$ m	<= 7000 $\mu$ m	Grain Size

Mechanical Properties	Metric	English	Comments
Compressive Strength	1.00 - 5.00 MPa	145 - 725 psi	Cold Crushing Strength
	@Temperature 1260 $\text{\AA}$ °C	@Temperature 2300 $\text{\AA}$ °F	
	3.00 - 7.00 MPa	435 - 1020 psi	Cold Crushing Strength
	@Temperature 100 $\text{\AA}$ °C	@Temperature 212 $\text{\AA}$ °F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.190 - 0.290 W/m-K	1.32 - 2.01 BTU-in/hr-ft <sup>2</sup> - $\text{\AA}$ °F	
	@Temperature 100 $\text{\AA}$ °C	@Temperature 212 $\text{\AA}$ °F	
	0.190 - 0.290 W/m-K	1.32 - 2.01 BTU-in/hr-ft <sup>2</sup> - $\text{\AA}$ °F	
	@Temperature 600 $\text{\AA}$ °C	@Temperature 1110 $\text{\AA}$ °F	
	0.270 - 0.370 W/m-K	1.87 - 2.57 BTU-in/hr-ft <sup>2</sup> - $\text{\AA}$ °F	
	@Temperature 1260 $\text{\AA}$ °C	@Temperature 2300 $\text{\AA}$ °F	
Maximum Service Temperature, Air	1350 $\text{\AA}$ °C	2460 $\text{\AA}$ °F	
Shrinkage	-1.50 - 1.50 %	-1.50 - 1.50 %	Permanent Linear Change
	@Temperature 1260 $\text{\AA}$ °C	@Temperature 2300 $\text{\AA}$ °F	

Component Elements Properties	Metric	English	Comments
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Al2O3 Component Elements Properties	42 % Metric	42 % English	Comments
SiO2	40 %	40 %	

Descriptive Properties	Value	Comments
ASTM Classification	Q	
Material Consumption per 1 m3	1000 kg	
Mixing Water	30-35 liters	per 100 kgs dry material

## Contact Songhan Plastic Technology Co.,Ltd.

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