

## Gouda Vuurvast GOLITE 135 Refractory Insulating Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

### Material Notes:

Description: Golite 135 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-Refractory-Insulating-Castable.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-GOLITE-135-Refractory-Insulating-Castable.php)

Physical Properties	Metric	English	Comments
Bulk Density	1.35 - 1.45 g/cc	0.0488 - 0.0524 lb/in <sup>3</sup>	After drying at 110 <sup>o</sup> C
Particle Size	<= 3000 $\mu$ m	<= 3000 $\mu$ m	Grain Size

Mechanical Properties	Metric	English	Comments
Compressive Strength	3.00 - 7.00 MPa	435 - 1020 psi	Cold Crushing Strength
	@Temperature 1260 $\text{\AA}$ C	@Temperature 2300 $\text{\AA}$ F	
	8.00 - 12.0 MPa	1160 - 1740 psi	Cold Crushing Strength
	@Temperature 100 $\text{\AA}$ C	@Temperature 212 $\text{\AA}$ F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.340 - 0.440 W/m-K	2.36 - 3.05 BTU-in/hr-ft <sup>2</sup> - $\text{\AA}$ F	
	@Temperature 100 $\text{\AA}$ C	@Temperature 212 $\text{\AA}$ F	
	0.370 - 0.470 W/m-K	2.57 - 3.26 BTU-in/hr-ft <sup>2</sup> - $\text{\AA}$ F	
	@Temperature 600 $\text{\AA}$ C	@Temperature 1110 $\text{\AA}$ F	
	0.450 - 0.550 W/m-K	3.12 - 3.82 BTU-in/hr-ft <sup>2</sup> - $\text{\AA}$ F	
	@Temperature 1260 $\text{\AA}$ C	@Temperature 2300 $\text{\AA}$ F	
Maximum Service Temperature, Air	1370 $\text{\AA}$ C	2500 $\text{\AA}$ 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	36 % Metric	36 % English	Comments
SiO2	44 %	44 %	

Descriptive Properties	Value	Comments
ASTM Classification	Q	
Material Consumption per 1 m3	1330 kg	
Mixing Water	20-25 liters	per 100 kgs dry material

## Contact Songhan Plastic Technology Co.,Ltd.

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