

## Gouda Vuurvast GOLITE 110 Refractory Insulating Castable

Category : Ceramic , Oxide , Silicon Oxide

### Material Notes:

Description: Golite 110 is composed of a light weight refractory aggregate plus several additives to improve the mechanical and refractory properties. 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-110-Refractory-Insulating-Castable.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-GOLITE-110-Refractory-Insulating-Castable.php)

Physical Properties	Metric	English	Comments
Bulk Density	1.20 - 1.30 g/cc	0.0434 - 0.0470 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	9.00 - 13.0 MPa	1310 - 1890 psi	Cold Crushing Strength
	@Temperature 1000 $\text{\AA}$ <sup>o</sup> C	@Temperature 1830 $\text{\AA}$ <sup>o</sup> F	
Compressive Strength	17.0 - 23.0 MPa	2470 - 3340 psi	Cold Crushing Strength
	@Temperature 100 $\text{\AA}$ <sup>o</sup> C	@Temperature 212 $\text{\AA}$ <sup>o</sup> F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.320 - 0.420 W/m-K	2.22 - 2.91 BTU-in/hr-ft <sup>2</sup> - $\text{\AA}$ <sup>o</sup> F	
	@Temperature 100 $\text{\AA}$ <sup>o</sup> C	@Temperature 212 $\text{\AA}$ <sup>o</sup> F	
Thermal Conductivity	0.350 - 0.450 W/m-K	2.43 - 3.12 BTU-in/hr-ft <sup>2</sup> - $\text{\AA}$ <sup>o</sup> F	
	@Temperature 600 $\text{\AA}$ <sup>o</sup> C	@Temperature 1110 $\text{\AA}$ <sup>o</sup> F	
Thermal Conductivity	0.380 - 0.480 W/m-K	2.64 - 3.33 BTU-in/hr-ft <sup>2</sup> - $\text{\AA}$ <sup>o</sup> F	
	@Temperature 1000 $\text{\AA}$ <sup>o</sup> C	@Temperature 1830 $\text{\AA}$ <sup>o</sup> F	
Maximum Service Temperature, Air	1100 $\text{\AA}$ <sup>o</sup> C	2010 $\text{\AA}$ <sup>o</sup> F	
Shrinkage	-0.250 - 0.250 %	-0.250 - 0.250 %	Permanent Linear Change
	@Temperature 1000 $\text{\AA}$ <sup>o</sup> C	@Temperature 1830 $\text{\AA}$ <sup>o</sup> F	

Component Elements Properties	Metric	English	Comments
Al2O3	20 %	20 %	
SiO2	46 %	46 %	

Descriptive Properties	Value	Comments
Material Consumption per 1 m3	1150 kg	
Mixing Water	25-30 liters	per 100 kgs dry material

## Contact Songhan Plastic Technology Co.,Ltd.

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