

Gouda Vuurvast GOLITE 130 GM Refractory Insulating Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: Golite 130 GM is a standard, medium weight gunning castable, combining a good mechanical strength with a low density and a low thermal conductivity. Remarks: These values apply to cast products. Information provided by Gouda Vuurvast.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Gouda-Vuurvast-GOLITE-130-GM-Refractory-Insulating-Castable.php

Physical Properties	Metric	English	Comments
Bulk Density	1.40 - 1.50 g/cc	0.0506 - 0.0542 lb/in ³	After drying at 110 ^o C
Particle Size	<= 5000 μ m	<= 5000 μ m	Grain Size

Mechanical Properties	Metric	English	Comments
Compressive Strength	7.00 - 13.0 MPa	1020 - 1890 psi	Cold Crushing Strength
	@Temperature 1000 $\text{\AA}^{\circ}\text{C}$	@Temperature 1830 $\text{\AA}^{\circ}\text{F}$	
	15.0 - 21.0 MPa	2180 - 3050 psi	Cold Crushing Strength
	@Temperature 100 $\text{\AA}^{\circ}\text{C}$	@Temperature 212 $\text{\AA}^{\circ}\text{F}$	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.330 - 0.430 W/m-K	2.29 - 2.98 BTU-in/hr-ft ² - $\text{\AA}^{\circ}\text{F}$	
	@Temperature 100 $\text{\AA}^{\circ}\text{C}$	@Temperature 212 $\text{\AA}^{\circ}\text{F}$	
	0.380 - 0.480 W/m-K	2.64 - 3.33 BTU-in/hr-ft ² - $\text{\AA}^{\circ}\text{F}$	
	@Temperature 600 $\text{\AA}^{\circ}\text{C}$	@Temperature 1110 $\text{\AA}^{\circ}\text{F}$	
	0.420 - 0.520 W/m-K	2.91 - 3.61 BTU-in/hr-ft ² - $\text{\AA}^{\circ}\text{F}$	
	@Temperature 1000 $\text{\AA}^{\circ}\text{C}$	@Temperature 1830 $\text{\AA}^{\circ}\text{F}$	
Maximum Service Temperature, Air	1300 $\text{\AA}^{\circ}\text{C}$	2370 $\text{\AA}^{\circ}\text{F}$	
Shrinkage	-0.400 - 0.200 %	-0.400 - 0.200 %	Permanent Linear Change
	@Temperature 1000 $\text{\AA}^{\circ}\text{C}$	@Temperature 1830 $\text{\AA}^{\circ}\text{F}$	

Component Elements Properties	Metric	English	Comments
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AI2O3 Component Elements Properties	40 % Metric	40 % English	Comments
SiO2	40 %	40 %	

Descriptive Properties	Value	Comments
ASTM Classification	Q	
Material Consumption per 1 m3	1380 kg	

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