

Gouda Vuurvast GOLITE 135 GM Refractory Insulating Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: This gunning material can be used in direct contact with open fire and has a high strength. Remarks: These values were obtained from cast samples. 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-135-GM-Refractory-Insulating-Castable.php

Physical Properties	Metric	English	Comments
Bulk Density	1.45 - 1.55 g/cc	0.0524 - 0.0560 lb/in ³	After drying at 110°C
Particle Size	<= 3000 µm	<= 3000 µm	Grain Size

Mechanical Properties	Metric	English	Comments
Compressive Strength	8.00 - 12.0 MPa	1160 - 1740 psi	Cold Crushing Strength
	@Temperature 1260 °C	@Temperature 2300 °F	
Compressive Strength	13.0 - 17.0 MPa	1890 - 2470 psi	Cold Crushing Strength
	@Temperature 100 °C	@Temperature 212 °F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.370 - 0.470 W/m-K	2.57 - 3.26 BTU-in/hr-ft ² -°F	
	@Temperature 100 °C	@Temperature 212 °F	
	0.400 - 0.500 W/m-K	2.78 - 3.47 BTU-in/hr-ft ² -°F	
	@Temperature 600 °C	@Temperature 1110 °F	
	0.480 - 0.580 W/m-K	3.33 - 4.03 BTU-in/hr-ft ² -°F	
	@Temperature 1260 °C	@Temperature 2300 °F	
Maximum Service Temperature, Air	1370 °C	2500 °F	
Shrinkage	-2.00 - 1.00 %	-2.00 - 1.00 %	Permanent Linear Change
	@Temperature 1260 °C	@Temperature 2300 °F	

Component Elements Properties	Metric	English	Comments
Al2O3	37 %	37 %	
SiO2	39 %	39 %	

Descriptive Properties	Value	Comments
ASTM Classification	Q	
Material Consumption per 1 m3	1450 kg	

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