

Gouda Vuurvast GOLITE 125 R GM Refractory Insulating Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: Golite 125 R GM has a low Fe₂O₃ content and a very low density. Commonly used in reducing conditions in the petrochemical industry. 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-125-R-GM-Refractory-Insulating-Castable.php

Physical Properties	Metric	English	Comments
Bulk Density	0.850 - 0.950 g/cc	0.0307 - 0.0343 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	1.00 - 2.00 MPa	145 - 290 psi	Cold Crushing Strength
	@Temperature 100 ^o C	@Temperature 212 ^o F	
Compressive Strength	1.00 - 2.00 MPa	145 - 290 psi	Cold Crushing Strength
	@Temperature 1000 ^o C	@Temperature 1830 ^o F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.200 - 0.300 W/m-K	1.39 - 2.08 BTU-in/hr-ft ² - ^o F	
	@Temperature 100 ^o C	@Temperature 212 ^o F	
	0.240 - 0.340 W/m-K	1.67 - 2.36 BTU-in/hr-ft ² - ^o F	
	@Temperature 600 ^o C	@Temperature 1110 ^o F	
	0.270 - 0.370 W/m-K	1.87 - 2.57 BTU-in/hr-ft ² - ^o F	
	@Temperature 1000 ^o C	@Temperature 1830 ^o F	
Maximum Service Temperature, Air	1250 ^o C	2280 ^o F	
Shrinkage	-0.400 - 0.400 %	-0.400 - 0.400 %	Permanent Linear Change
	@Temperature 1000 ^o C	@Temperature 1830 ^o F	

Component Elements Properties	Metric	English	Comments

Al2O3 Component Elements Properties	33 % Metric	33 % English	Comments
Fe2O3	1.0 %	1.0 %	
SiO2	55 %	55 %	

Descriptive Properties	Value	Comments
ASTM Classification	Q	
Material Consumption per 1 m3	830 kg	

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