

Gouda Vuurvast GOLITE 135 RL C Refractory Insulating Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: Golite 135 RL C is a coarse low iron light weight castable and combines 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-135-RL-C-Refractory-Insulating-Castable.php

Physical Properties	Metric	English	Comments
Bulk Density	1.15 - 1.25 g/cc	0.0415 - 0.0452 lb/in ³	After drying at 110 ^o C
Particle Size	<= 8000 μ m	<= 8000 μ m	Grain Size

Mechanical Properties	Metric	English	Comments
Compressive Strength	5.00 - 9.00 MPa	725 - 1310 psi	Cold Crushing Strength
	@Temperature 1000 \AA °C	@Temperature 1830 \AA °F	
Compressive Strength	8.00 - 12.0 MPa	1160 - 1740 psi	Cold Crushing Strength
	@Temperature 100 \AA °C	@Temperature 212 \AA °F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.230 - 0.330 W/m-K	1.60 - 2.29 BTU-in/hr-ft ² - \AA °F	
	@Temperature 100 \AA °C	@Temperature 212 \AA °F	
Thermal Conductivity	0.280 - 0.380 W/m-K	1.94 - 2.64 BTU-in/hr-ft ² - \AA °F	
	@Temperature 600 \AA °C	@Temperature 1110 \AA °F	
Thermal Conductivity	0.320 - 0.420 W/m-K	2.22 - 2.91 BTU-in/hr-ft ² - \AA °F	
	@Temperature 1000 \AA °C	@Temperature 1830 \AA °F	
Maximum Service Temperature, Air	1350 \AA °C	2460 \AA °F	
Shrinkage	-0.600 - 0.400 %	-0.600 - 0.400 %	Permanent Linear Change
	@Temperature 1000 \AA °C	@Temperature 1830 \AA °F	

Component Elements Properties	Metric	English	Comments

Al2O3 Component Elements Properties	40 % Metric	40 % English	Comments
Fe2O3	<= 1.0 %	<= 1.0 %	
SiO2	40 %	40 %	

Descriptive Properties	Value	Comments
ASTM Classification	Q	
Material Consumption per 1 m3	1150 kg	
Mixing Water	30-35 liters	per 100 kgs dry material

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