

Gouda Vuurvast GOLITE LW Refractory Insulating Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: This light weight (LW) castable can be used as a hot face material, as well as for the backlining of a dense castable or brickwork. 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-LW-Refractory-Insulating-Castable.php

Physical Properties	Metric	English	Comments
Bulk Density	1.05 - 1.15 g/cc	0.0379 - 0.0415 lb/in ³	After drying at 110 ^o C
Particle Size	<= 4000 μ m	<= 4000 μ m	Grain Size

Mechanical Properties	Metric	English	Comments
Compressive Strength	1.50 - 2.50 MPa	218 - 363 psi	Cold Crushing Strength
	@Temperature 1000 \AA °C	@Temperature 1830 \AA °F	
Compressive Strength	3.50 - 4.50 MPa	508 - 653 psi	Cold Crushing Strength
	@Temperature 100 \AA °C	@Temperature 212 \AA °F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.280 - 0.380 W/m-K	1.94 - 2.64 BTU-in/hr-ft ² - \AA °F	
	@Temperature 100 \AA °C	@Temperature 212 \AA °F	
Thermal Conductivity	0.310 - 0.410 W/m-K	2.15 - 2.85 BTU-in/hr-ft ² - \AA °F	
	@Temperature 600 \AA °C	@Temperature 1110 \AA °F	
Thermal Conductivity	0.330 - 0.430 W/m-K	2.29 - 2.98 BTU-in/hr-ft ² - \AA °F	
	@Temperature 1000 \AA °C	@Temperature 1830 \AA °F	
Maximum Service Temperature, Air	1100 \AA °C	2010 \AA °F	
Shrinkage	-0.600 - 0.200 %	-0.600 - 0.200 %	Permanent Linear Change
	@Temperature 1000 \AA °C	@Temperature 1830 \AA °F	

Component Elements Properties	Metric	English	Comments
Al2O3	24 %	24 %	
SiO2	48 %	48 %	

Descriptive Properties	Value	Comments
Material Consumption per 1 m3	1020 kg	
Mixing Water	32-38 liters	per 100 kgs dry material

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