

Gouda Vuurvast GOLITE 160 Refractory Insulating Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: This castable can be used up to very high temperatures under reducing conditions. 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-160-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 ^o C
Particle Size	<= 3000 μ m	<= 3000 μ m	Grain Size

Mechanical Properties	Metric	English	Comments
Compressive Strength	8.00 - 14.0 MPa	1160 - 2030 psi	Cold Crushing Strength
	@Temperature 1400 \AA° C	@Temperature 2550 \AA° F	
	12.0 - 18.0 MPa	1740 - 2610 psi	Cold Crushing Strength
	@Temperature 100 \AA° C	@Temperature 212 \AA° F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.400 - 0.500 W/m-K	2.78 - 3.47 BTU-in/hr-ft ² - \AA° F	
	@Temperature 100 \AA° C	@Temperature 212 \AA° F	
	0.420 - 0.520 W/m-K	2.91 - 3.61 BTU-in/hr-ft ² - \AA° F	
	@Temperature 600 \AA° C	@Temperature 1110 \AA° F	
	0.510 - 0.610 W/m-K	3.54 - 4.23 BTU-in/hr-ft ² - \AA° F	
	@Temperature 1400 \AA° C	@Temperature 2550 \AA° F	
Maximum Service Temperature, Air	1650 \AA° C	3000 \AA° F	
Shrinkage	-0.600 - 0.600 %	-0.600 - 0.600 %	Permanent Linear Change
	@Temperature 1400 \AA° C	@Temperature 2550 \AA° F	

Component Elements Properties	Metric	English	Comments

Al2O3 Component Elements Properties	59 % Metric	59 % English	Comments
Fe2O3	<= 1.0 %	<= 1.0 %	
SiO2	33 %	33 %	

Descriptive Properties	Value	Comments
ASTM Classification	T	
Material Consumption per 1 m3	1400 kg	
Mixing Water	23-28 liters	per 100 kgs dry material

Contact Songhan Plastic Technology Co.,Ltd.

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