

Gouda Vuurvast GOLITE 120 Refractory Insulating Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: Golite 120 is composed of light weight aggregates, alumina cement and special additions to be sure of a high strength and a low firing shrinkage. Remarks: These values apply to cast products. Also available in gunning variety, marked "GM". Other modifications are available on demand. Information provided by Gouda Vuurvast.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Gouda-Vuurvast-GOLITE-120-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	3.50 - 4.50 MPa	508 - 653 psi	Cold Crushing Strength
	@Temperature 100 ^o C	@Temperature 212 ^o F	
	3.50 - 4.50 MPa	508 - 653 psi	Cold Crushing Strength
	@Temperature 1200 ^o C	@Temperature 2190 ^o F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.190 - 0.290 W/m-K	1.32 - 2.01 BTU-in/hr-ft ² - ^o F	
	@Temperature 100 ^o C	@Temperature 212 ^o F	
	0.220 - 0.320 W/m-K	1.53 - 2.22 BTU-in/hr-ft ² - ^o F	
	@Temperature 600 ^o C	@Temperature 1110 ^o F	
	0.290 - 0.390 W/m-K	2.01 - 2.71 BTU-in/hr-ft ² - ^o F	
	@Temperature 1200 ^o C	@Temperature 2190 ^o F	
Maximum Service Temperature, Air	1200 ^o C	2190 ^o F	
Shrinkage	-1.20 - 0.800 %	-1.20 - 0.800 %	Permanent Linear Change
	@Temperature 1200 ^o C	@Temperature 2190 ^o F	

Component Elements Properties	Metric	English	Comments
Al2O3	29 %	29 %	
SiO2	32 %	32 %	

Descriptive Properties	Value	Comments
Material Consumption per 1 m3	1025 kg	
Mixing Water	34-38 liters	per 100 kgs dry material

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China