

Gouda Vuurvast GOLITE 140 Refractory Insulating Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: This castable is characterized by its low Fe₂O₃ content and its relatively high strength. Golite 140 is therefore widely applied at places with reducing or corrosive atmosphere. 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-140-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	<= 5000 μ m	<= 5000 μ m	Grain Size

Mechanical Properties	Metric	English	Comments
Compressive Strength	13.0 - 19.0 MPa	1890 - 2760 psi	Cold Crushing Strength
	@Temperature 1370 \AA ^o C	@Temperature 2500 \AA ^o F	
Compressive Strength	17.0 - 23.0 MPa	2470 - 3340 psi	Cold Crushing Strength
	@Temperature 100 \AA ^o C	@Temperature 212 \AA ^o F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.350 - 0.450 W/m-K	2.43 - 3.12 BTU-in/hr-ft ² - \AA ^o F	
	@Temperature 100 \AA ^o C	@Temperature 212 \AA ^o F	
Thermal Conductivity	0.400 - 0.500 W/m-K	2.78 - 3.47 BTU-in/hr-ft ² - \AA ^o F	
	@Temperature 600 \AA ^o C	@Temperature 1110 \AA ^o F	
Thermal Conductivity	0.460 - 0.560 W/m-K	3.19 - 3.89 BTU-in/hr-ft ² - \AA ^o F	
	@Temperature 1370 \AA ^o C	@Temperature 2500 \AA ^o F	
Maximum Service Temperature, Air	1400 \AA ^o C	2550 \AA ^o F	
Shrinkage	-0.500 - 0.500 %	-0.500 - 0.500 %	Permanent Linear Change
	@Temperature 1370 \AA ^o C	@Temperature 2500 \AA ^o F	

Component Elements Properties	Metric	English	Comments
Al2O3	45 %	45 %	
Fe2O3	1.5 %	1.5 %	
SiO2	41 %	41 %	

Descriptive Properties	Value	Comments
ASTM Classification	R	
Material Consumption per 1 m3	1430 kg	
Mixing Water	20-25 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