

Gouda Vuurvast GOLITE 140 GM Refractory Insulating Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: This gunning 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. Information provided by Gouda Vuurvast.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Gouda-Vuurvast-GOLITE-140-GM-Refractory-Insulating-Castable.php

Physical Properties	Metric	English	Comments
Bulk Density	1.50 - 1.60 g/cc	0.0542 - 0.0578 lb/in ³	After drying at 110°C
Particle Size	<= 5000 µm	<= 5000 µm	Grain Size

Mechanical Properties	Metric	English	Comments
Compressive Strength	8.00 - 14.0 MPa	1160 - 2030 psi	Cold Crushing Strength
	@Temperature 1370 °C	@Temperature 2500 °F	
	12.0 - 18.0 MPa	1740 - 2610 psi	Cold Crushing Strength
	@Temperature 100 °C	@Temperature 212 °F	

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

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	45 %	45 %	

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

Descriptive Properties	Value	Comments
ASTM Classification	Q	
Material Consumption per 1 m3	1450 kg	

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