

Gouda Vuurvast CURON 170 GM Dense Refractory Castable

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

Description: A general purpose gunning castable with a wide range of applications for high temperatures. The low Fe₂O₃ content makes this castable suitable for use under reducing conditions. 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-CURON-170-GM-Dense-Refractory-Castable.php

Physical Properties	Metric	English	Comments
Bulk Density	2.55 - 2.65 g/cc	0.0921 - 0.0957 lb/in ³	After drying at 110 ^o C
Particle Size	<= 6000 μ m	<= 6000 μ m	Grain Size

Mechanical Properties	Metric	English	Comments
Compressive Strength	50.0 - 60.0 MPa	7250 - 8700 psi	Cold Crushing Strength
	@Temperature 100 ^o C	@Temperature 212 ^o F	
	50.0 - 60.0 MPa	7250 - 8700 psi	Cold Crushing Strength
	@Temperature 1300 ^o C	@Temperature 2370 ^o F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.31 - 1.41 W/m-K	9.09 - 9.79 BTU-in/hr-ft ² - ^o F	
	@Temperature 600 ^o C	@Temperature 1110 ^o F	
	1.35 - 1.45 W/m-K	9.37 - 10.1 BTU-in/hr-ft ² - ^o F	
	@Temperature 100 ^o C	@Temperature 212 ^o F	
	1.38 - 1.48 W/m-K	9.58 - 10.3 BTU-in/hr-ft ² - ^o F	
	@Temperature 1300 ^o C	@Temperature 2370 ^o F	
Maximum Service Temperature, Air	1700 ^o C	3090 ^o F	
Shrinkage	-0.300 - 0.300 %	-0.300 - 0.300 %	Permanent Linear Change
	@Temperature 1300 ^o C	@Temperature 2370 ^o F	

Component Elements Properties	Metric	English	Comments
Al2O3	85 %	85 %	
Fe2O3	1.0 %	1.0 %	
SiO2	6.0 %	6.0 %	

Descriptive Properties	Value	Comments
ASTM Classification	F	
Material Consumption per 1 m3	2550 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