

Gouda Vuurvast CURON 140 Dense Refractory Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: Because of its relatively low Fe₂O₃ content and its high alumina percentages, this castable can be applied up to 1400Â°C in slightly reducing atmospheres. Up to high temperatures Curon 140 maintains its high mechanical strength. 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-CURON-140-Dense-Refractory-Castable.php

Physical Properties	Metric	English	Comments
Bulk Density	2.10 - 2.20 g/cc	0.0759 - 0.0795 lb/inÂ³	After drying at 110Â°C
Particle Size	<= 4000 Âµm	<= 4000 Âµm	Grain Size

Mechanical Properties	Metric	English	Comments
Compressive Strength	35.0 - 45.0 MPa	5080 - 6530 psi	Cold Crushing Strength
	@Temperature 100 Â°C	@Temperature 212 Â°F	
	35.0 - 45.0 MPa	5080 - 6530 psi	Cold Crushing Strength
	@Temperature 1300 Â°C	@Temperature 2370 Â°F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.510 - 0.610 W/m-K	3.54 - 4.23 BTU-in/hr-ftÂ²-Â°F	
	@Temperature 100 Â°C	@Temperature 212 Â°F	
	0.560 - 0.660 W/m-K	3.89 - 4.58 BTU-in/hr-ftÂ²-Â°F	
	@Temperature 600 Â°C	@Temperature 1110 Â°F	
	0.650 - 0.750 W/m-K	4.51 - 5.20 BTU-in/hr-ftÂ²-Â°F	
	@Temperature 1300 Â°C	@Temperature 2370 Â°F	
Maximum Service Temperature, Air	1400 Â°C	2550 Â°F	
Shrinkage	-0.300 - 0.300 %	-0.300 - 0.300 %	Permanent Linear Change
	@Temperature 1300 Â°C	@Temperature 2370 Â°F	

Component Elements Properties	Metric	English	Comments
Al2O3	44 %	44 %	
Fe2O3	<= 3.0 %	<= 3.0 %	
SiO2	37 %	37 %	

Descriptive Properties	Value	Comments
ASTM Classification	C	
Material Consumption per 1 m3	2050 kg	
Mixing Water	12-15 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