

Gouda Vuurvast CURON 180 B Dense Refractory Castable

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

Description: This high quality castable is marked by a high refractoriness and a good thermal shock resistance. Because it has a high alumina content and a low percentage of Fe₂O₃, this castable can be applied in reducing atmospheres. 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-CURON-180-B-Dense-Refractory-Castable.php

Physical Properties	Metric	English	Comments
Bulk Density	2.65 - 2.75 g/cc	0.0957 - 0.0994 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	40.0 - 50.0 MPa	5800 - 7250 psi	Cold Crushing Strength
	@Temperature 1600 $\text{^{\circ}C}$	@Temperature 2910 $\text{^{\circ}F}$	
	55.0 - 65.0 MPa	7980 - 9430 psi	Cold Crushing Strength
	@Temperature 100 $\text{^{\circ}C}$	@Temperature 212 $\text{^{\circ}F}$	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.28 - 1.48 W/m-K	8.88 - 10.3 BTU-in/hr-ft ² - $\text{^{\circ}F}$	
	@Temperature 600 $\text{^{\circ}C}$	@Temperature 1110 $\text{^{\circ}F}$	
	1.35 - 1.55 W/m-K	9.37 - 10.8 BTU-in/hr-ft ² - $\text{^{\circ}F}$	
	@Temperature 1600 $\text{^{\circ}C}$	@Temperature 2910 $\text{^{\circ}F}$	
	1.45 - 1.65 W/m-K	10.1 - 11.5 BTU-in/hr-ft ² - $\text{^{\circ}F}$	
	@Temperature 100 $\text{^{\circ}C}$	@Temperature 212 $\text{^{\circ}F}$	
Maximum Service Temperature, Air	1800 $\text{^{\circ}C}$	3270 $\text{^{\circ}F}$	
Shrinkage	-0.250 - 0.250 %	-0.250 - 0.250 %	Permanent Linear Change
	@Temperature 1600 $\text{^{\circ}C}$	@Temperature 2910 $\text{^{\circ}F}$	

Component Elements Properties	Metric	English	Comments
Al2O3	90 %	90 %	
CaO	4.0 %	4.0 %	
Fe2O3	1.0 %	1.0 %	
SiO2	4.0 %	4.0 %	

Descriptive Properties	Value	Comments
ASTM Classification	G	
Material Consumption per 1 m3	2650 kg	
Mixing Water	8-10 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