

Gouda Vuurvast CURON 160 HC Dense Refractory Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: Because of the selection of raw materials, this castable has a high volume stability and keeps its strength up to high temperatures. In addition, Curon 160 HC has an excellent thermal shock resistance. It is largely used in the steel industry. 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-160-HC-Dense-Refractory-Castable.php

Physical Properties	Metric	English	Comments
Bulk Density	2.30 - 2.40 g/cc	0.0831 - 0.0867 lb/in ³	After drying at 110 ^o C
Particle Size	<= 8000 μ m	<= 8000 μ m	Grain Size

Mechanical Properties	Metric	English	Comments
Compressive Strength	40.0 - 50.0 MPa	5800 - 7250 psi	Cold Crushing Strength
	@Temperature 1000 \AA ^o C	@Temperature 1830 \AA ^o F	
Compressive Strength	55.0 - 65.0 MPa	7980 - 9430 psi	Cold Crushing Strength
	@Temperature 100 \AA ^o C	@Temperature 212 \AA ^o F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.550 - 0.650 W/m-K	3.82 - 4.51 BTU-in/hr-ft ² - \AA ^o F	
	@Temperature 100 \AA ^o C	@Temperature 212 \AA ^o F	
Thermal Conductivity	0.670 - 0.770 W/m-K	4.65 - 5.34 BTU-in/hr-ft ² - \AA ^o F	
	@Temperature 600 \AA ^o C	@Temperature 1110 \AA ^o F	
Thermal Conductivity	0.740 - 0.840 W/m-K	5.14 - 5.83 BTU-in/hr-ft ² - \AA ^o F	
	@Temperature 1000 \AA ^o C	@Temperature 1830 \AA ^o F	
Maximum Service Temperature, Air	1600 \AA ^o C	2910 \AA ^o F	
Shrinkage	-0.200 - 0.200 %	-0.200 - 0.200 %	Permanent Linear Change
	@Temperature 1000 \AA ^o C	@Temperature 1830 \AA ^o F	

Component Elements Properties	Metric	English	Comments
Al2O3	61 %	61 %	
Fe2O3	<= 1.5 %	<= 1.5 %	
SiO2	30 %	30 %	

Descriptive Properties	Value	Comments
ASTM Classification	E	
Material Consumption per 1 m3	2300 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