

Gouda Vuurvast CURON 150 H Dense Refractory Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: Curon 150 H is composed of a very pure grog combined with a high quality high alumina cement. It is characterized by a good resistance against thermal shock and against reducing operating conditions. 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-150-H-Dense-Refractory-Castable.php

Physical Properties	Metric	English	Comments
Bulk Density	2.10 - 2.20 g/cc	0.0759 - 0.0795 lb/in ³	After drying at 110 ^o C
Particle Size	<= 7000 μ m	<= 7000 μ m	Grain Size

Mechanical Properties	Metric	English	Comments
Compressive Strength	25.0 - 35.0 MPa	3630 - 5080 psi	Cold Crushing Strength
	@Temperature 1300 $\text{\AA}$ ^o C	@Temperature 2370 $\text{\AA}$ ^o F	
	40.0 - 50.0 MPa	5800 - 7250 psi	Cold Crushing Strength
	@Temperature 100 $\text{\AA}$ ^o C	@Temperature 212 $\text{\AA}$ ^o F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.530 - 0.630 W/m-K	3.68 - 4.37 BTU-in/hr-ft ² - $\text{\AA}$ ^o F	
	@Temperature 100 $\text{\AA}$ ^o C	@Temperature 212 $\text{\AA}$ ^o F	
	0.580 - 0.680 W/m-K	4.03 - 4.72 BTU-in/hr-ft ² - $\text{\AA}$ ^o F	
	@Temperature 600 $\text{\AA}$ ^o C	@Temperature 1110 $\text{\AA}$ ^o F	
	0.660 - 0.760 W/m-K	4.58 - 5.27 BTU-in/hr-ft ² - $\text{\AA}$ ^o F	
	@Temperature 1300 $\text{\AA}$ ^o C	@Temperature 2370 $\text{\AA}$ ^o F	
Maximum Service Temperature, Air	1500 $\text{\AA}$ ^o C	2730 $\text{\AA}$ ^o F	
Shrinkage	-0.500 - 0.500 %	-0.500 - 0.500 %	Permanent Linear Change
	@Temperature 1300 $\text{\AA}$ ^o C	@Temperature 2370 $\text{\AA}$ ^o F	

Component Elements Properties	Metric	English	Comments
Al2O3	48 %	48 %	
Fe2O3	<= 2.0 %	<= 2.0 %	
SiO2	44 %	44 %	

Descriptive Properties	Value	Comments
ASTM Classification	D	
Material Consumption per 1 m3	2050 kg	
Mixing Water	11-13 liters	per 100 kgs dry material

Contact Songhan Plastic Technology Co.,Ltd.

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