

Gouda Vuurvast CURON 130 Dense Refractory Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: Curon 130 is a castable with a good workability and a high strength. Therefore this castable can be characterized as a reliable refractory construction material. 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-130-Dense-Refractory-Castable.php

Physical Properties	Metric	English	Comments
Bulk Density	2.00 - 2.10 g/cc	0.0723 - 0.0759 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	25.0 - 35.0 MPa	3630 - 5080 psi	Cold Crushing Strength
	@Temperature 1200 \AA ^o C	@Temperature 2190 \AA ^o F	
Compressive Strength	30.0 - 40.0 MPa	4350 - 5800 psi	Cold Crushing Strength
	@Temperature 100 \AA ^o C	@Temperature 212 \AA ^o F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.510 - 0.610 W/m-K	3.54 - 4.23 BTU-in/hr-ft ² - \AA ^o F	
	@Temperature 100 \AA ^o C	@Temperature 212 \AA ^o F	
Thermal Conductivity	0.560 - 0.660 W/m-K	3.89 - 4.58 BTU-in/hr-ft ² - \AA ^o F	
	@Temperature 600 \AA ^o C	@Temperature 1110 \AA ^o F	
Thermal Conductivity	0.650 - 0.750 W/m-K	4.51 - 5.20 BTU-in/hr-ft ² - \AA ^o F	
	@Temperature 1200 \AA ^o C	@Temperature 2190 \AA ^o F	
Maximum Service Temperature, Air	1300 \AA ^o C	2370 \AA ^o F	
Shrinkage	-1.00 - 0.000 %	-1.00 - 0.000 %	Permanent Linear Change
	@Temperature 1200 \AA ^o C	@Temperature 2190 \AA ^o F	

Component Elements Properties	Metric	English	Comments
Al2O3	35 %	35 %	
SiO2	49 %	49 %	

Descriptive Properties	Value	Comments
ASTM Classification	B	
Material Consumption per 1 m3	1950 kg	
Mixing Water	12-15 liters	per 100 kgs dry material

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