

Gouda Vuurvast CURON 150 HR GM Dense Refractory Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: Curon 150 HR GM is a gunning castable, because of its low iron content also very well suitable under reducing circumstances. In addition, this castable has a good thermal shock resistance because of its low thermal expansion. 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-150-HR-GM-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	<= 4000 μ m	<= 4000 μ m	Grain Size

Mechanical Properties	Metric	English	Comments
Compressive Strength	30.0 - 40.0 MPa	4350 - 5800 psi	Cold Crushing Strength
	@Temperature 1400 \AA ^o C	@Temperature 2550 \AA ^o F	
Compressive Strength	35.0 - 45.0 MPa	5080 - 6530 psi	Cold Crushing Strength
	@Temperature 100 \AA ^o C	@Temperature 212 \AA ^o F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.520 - 0.620 W/m-K	3.61 - 4.30 BTU-in/hr-ft ² - \AA ^o F	
	@Temperature 100 \AA ^o C	@Temperature 212 \AA ^o F	
Thermal Conductivity	0.570 - 0.670 W/m-K	3.96 - 4.65 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 1400 \AA ^o C	@Temperature 2550 \AA ^o F	
Maximum Service Temperature, Air	1500 \AA ^o C	2730 \AA ^o F	
Shrinkage	-0.500 - 0.500 %	-0.500 - 0.500 %	Permanent Linear Change
	@Temperature 1400 \AA ^o C	@Temperature 2550 \AA ^o F	

Component Elements Properties	Metric	English	Comments
Al2O3	57 %	57 %	
Fe2O3	0.60 %	0.60 %	
SiO2	38 %	38 %	

Descriptive Properties	Value	Comments
ASTM Classification	D	
Material Consumption per 1 m3	2050 kg	

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