

Gouda Vuurvast CURON 127 S GM Dense Refractory Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: Curon 127 S GM gunning castable is characterized by a reasonable strength and a good resistance against slag attack. This castable is applied mainly in boilers and incinerators. 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-127-S-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	20.0 - 30.0 MPa	2900 - 4350 psi	Cold Crushing Strength
	@Temperature 1000 \AA °C	@Temperature 1830 \AA °F	
Compressive Strength	35.0 - 45.0 MPa	5080 - 6530 psi	Cold Crushing Strength
	@Temperature 100 \AA °C	@Temperature 212 \AA °F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.530 - 0.630 W/m-K	3.68 - 4.37 BTU-in/hr-ft ² - \AA °F	
	@Temperature 100 \AA °C	@Temperature 212 \AA °F	
Thermal Conductivity	0.580 - 0.680 W/m-K	4.03 - 4.72 BTU-in/hr-ft ² - \AA °F	
	@Temperature 600 \AA °C	@Temperature 1110 \AA °F	
Thermal Conductivity	0.630 - 0.730 W/m-K	4.37 - 5.07 BTU-in/hr-ft ² - \AA °F	
	@Temperature 1000 \AA °C	@Temperature 1830 \AA °F	
Maximum Service Temperature, Air	1270 \AA °C	2320 \AA °F	
Shrinkage	-0.400 - 0.400 %	-0.400 - 0.400 %	Permanent Linear Change
	@Temperature 1000 \AA °C	@Temperature 1830 \AA °F	

Component Elements Properties	Metric	English	Comments
Al2O3	40 %	40 %	
SiO2	40 %	40 %	

Descriptive Properties	Value	Comments
ASTM Classification	B	
Material Consumption per 1 m3	2100 kg	

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