

Gouda Vuurvast CURON 127 S Dense Refractory Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: Curon 127 S castable is characterized by a very high strength and a good resistance against slag attack. This castable is applied mainly in boilers and incinerators. 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-127-S-Dense-Refractory-Castable.php

Physical Properties	Metric	English	Comments
Bulk Density	2.15 - 2.25 g/cc	0.0777 - 0.0813 lb/in ³	After drying at 110 ^o C
Particle Size	<= 5000 μ m	<= 5000 μ m	Grain Size

Mechanical Properties	Metric	English	Comments
Compressive Strength	45.0 - 55.0 MPa	6530 - 7980 psi	Cold Crushing Strength
	@Temperature 1000 \AA ^o C	@Temperature 1830 \AA ^o F	
Compressive Strength	60.0 - 70.0 MPa	8700 - 10200 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	0.600 - 0.700 W/m-K	4.16 - 4.86 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 1000 \AA ^o C	@Temperature 1830 \AA ^o F	
Maximum Service Temperature, Air	1270 \AA ^o C	2320 \AA ^o F	
Shrinkage	-0.400 - 0.400 %	-0.400 - 0.400 %	Permanent Linear Change
	@Temperature 1000 \AA ^o C	@Temperature 1830 \AA ^o 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	2150 kg	
Mixing Water	10-13 liters	per 100 kgs dry material

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