

Gouda Vuurvast FLUCON 150 G (R) Dense Self Flowing Refractory Castable

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

Description: Flucon 150 G (R) is a self-flowing low cement castable based on sintered South-American bauxite. Especially suitable for direct contact with liquid aluminum metal. 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-FLUCON-150-G-R-Dense-Self-Flowing-Refractory-Castable.php

Physical Properties	Metric	English	Comments
Bulk Density	2.75 - 2.85 g/cc	0.0994 - 0.103 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	55.0 - 65.0 MPa	7980 - 9430 psi	Cold Crushing Strength
	@Temperature 110 ^o C	@Temperature 230 ^o F	
	170 - 190 MPa	24700 - 27600 psi	Cold Crushing Strength
	@Temperature 1200 ^o C	@Temperature 2190 ^o F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.40 - 1.60 W/m-K	9.72 - 11.1 BTU-in/hr-ft ² - ^o F	
	@Temperature 1200 ^o C	@Temperature 2190 ^o F	
	1.60 - 1.80 W/m-K	11.1 - 12.5 BTU-in/hr-ft ² - ^o F	
	@Temperature 110 ^o C	@Temperature 230 ^o F	
Maximum Service Temperature, Air	1350 ^o C	2460 ^o F	
Shrinkage	-0.100 - 0.200 %	-0.100 - 0.200 %	Permanent Linear Change
	@Temperature 1200 ^o C	@Temperature 2190 ^o F	

Component Elements Properties	Metric	English	Comments
Al2O3	78 %	78 %	
Fe2O3	<= 1.0 %	<= 1.0 %	
SiO2	12 %	12 %	

Descriptive Properties	Value	Comments
Material Consumption per 1 m3	2750 kg	
Mixing Water	6-7 liters	per 100 kgs dry material

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