Gouda Vuurvast CURON 165 Dense Refractory Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: Curon 165 is based on bauxite and very pure chamotte grog. In has very good thermal shock resistance and a low firing shrinkage.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-165-Dense-Refractory-Castable.php

Physical Properties	Metric	English	Comments
Bulk Density	2.25 - 2.35 g/cc	0.0813 - 0.0849 lb/in³	After drying at 110°C
Particle Size	<= 5000 µm	<= 5000 µm	Grain Size

Mechanical Properties	Metric	English	Comments
Compressive Strength	25.0 - 35.0 MPa @Temperature 1300 °C	3630 - 5080 psi @Temperature 2370 °F	Cold Crushing Strength
	40.0 - 50.0 MPa @Temperature 100 °C	5800 - 7250 psi @Temperature 212 °F	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.610 - 0.710 W/m-K @Temperature 100 °C	4.23 - 4.93 BTU-in/hr-ft²-°F @Temperature 212 °F	
	0.680 - 0.780 W/m-K @Temperature 600 °C	4.72 - 5.41 BTU-in/hr-ft²-°F @Temperature 1110 °F	
	0.790 - 0.890 W/m-K @Temperature 1300 °C	5.48 - 6.18 BTU-in/hr-ft²-°F @Temperature 2370 °F	
Maximum Service Temperature, Air	1650 °C	3000 °F	
Shrinkage	-1.50 - 1.50 % @Temperature 1300 °C	-1.50 - 1.50 % @Temperature 2370 °F	Permanent Linear Change

Component Elements Properties	Metric	English	Comments
Al2O3	62 %	62 %	

Component Elements Properties	Metric	English	Comments
Fe2O3	1.5 %	1.5 %	
SiO2	30 %	30 %	

Descriptive Properties	Value	Comments
ASTM Classification	E	
Material Consumption per 1 m3	2250 kg	
Mixing Water	8-10 liters	per 100 kgs dry material

Contact Songhan Plastic Technology Co.,Ltd.

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