Gouda Vuurvast CURON 145 P Dense Refractory Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: This material with an extreme plasticity is well suited for repair work or application as a thin layer.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-145-P-Dense-Refractory-Castable.php

Physical Properties	Metric	English	Comments
Bulk Density	1.80 - 1.90 g/cc	0.0650 - 0.0686 lb/inÂ³	After drying at 110Â°C
Particle Size	<= 4000 Âµm	<= 4000 Âµm	Grain Size

Mechanical Properties	Metric	English	Comments
Compressive Strength	7.00 - 13.0 MPa @Temperature 100 Â°C	1020 - 1890 psi @Temperature 212 Â°F	Cold Crushing Strength
	7.00 - 13.0 MPa @Temperature 1400 Â°C	1020 - 1890 psi @Temperature 2550 Â°F	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.450 - 0.550 W/m-K @Temperature 100 Â°C	3.12 - 3.82 BTU-in/hr-ftÂ²-Â°F @Temperature 212 Â°F	
	0.490 - 0.590 W/m-K @Temperature 600 Â°C	3.40 - 4.09 BTU-in/hr-ftÂ²-Â°F @Temperature 1110 Â°F	
	0.570 - 0.670 W/m-K @Temperature 1400 Â°C	3.96 - 4.65 BTU-in/hr-ftÂ²-Â°F @Temperature 2550 Â°F	
Maximum Service Temperature, Air	1450 Â°C	2640 Â°F	
Shrinkage	-1.00 - 1.00 % @Temperature 1400 Â°C	-1.00 - 1.00 % @Temperature 2550 Â°F	Permanent Linear Change

Component Elements Properties	Metric	English	Comments

Component Elements Properties	Metric	English	Comments
Al2O3	53 %	53 %	
SiO2	41 %	41 %	

Descriptive Properties	Value	Comments
ASTM Classification	C	
Material Consumption per 1 m3	1750 kg	
Mixing Water	18-22 liters	per 100 kgs dry material

Contact Songhan Plastic Technology Co.,Ltd.

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