

Gouda Vuurvast VIBRON 150 GZ (R) Dense Vibrating Refractory Castable

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

Description: Vibron 150 GZ (R) is a low cement castable based on sintered South-American bauxite. The addition of zircon oxide in this product makes it suitable for areas under heavy chemical attack and abrasion in aluminum melting furnaces. Remarks: Indicated values apply to vibrated products. Information provided by Gouda Vuurvast.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Gouda-Vuurvast-VIBRON-150-GZ-R-Dense-Vibrating-Refractory-Castable.php

Physical Properties	Metric	English	Comments
Bulk Density	2.90 - 3.00 g/cc	0.105 - 0.108 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	95.0 - 105 MPa	13800 - 15200 psi	Cold Crushing Strength
	@Temperature 1300 $\text{\AA}$ °C	@Temperature 2370 $\text{\AA}$ °F	
	105 - 115 MPa	15200 - 16700 psi	Cold Crushing Strength
	@Temperature 100 $\text{\AA}$ °C	@Temperature 212 $\text{\AA}$ °F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.85 - 2.05 W/m-K	12.8 - 14.2 BTU-in/hr-ft ² - $\text{\AA}$ °F	
	@Temperature 100 $\text{\AA}$ °C	@Temperature 212 $\text{\AA}$ °F	
	1.85 - 2.05 W/m-K	12.8 - 14.2 BTU-in/hr-ft ² - $\text{\AA}$ °F	
	@Temperature 600 $\text{\AA}$ °C	@Temperature 1110 $\text{\AA}$ °F	
	1.90 - 2.10 W/m-K	13.2 - 14.6 BTU-in/hr-ft ² - $\text{\AA}$ °F	
	@Temperature 1300 $\text{\AA}$ °C	@Temperature 2370 $\text{\AA}$ °F	
Maximum Service Temperature, Air	1350 $\text{\AA}$ °C	2460 $\text{\AA}$ °F	
Shrinkage	-0.500 - 0.300 %	-0.500 - 0.300 %	Permanent Linear Change
	@Temperature 1300 $\text{\AA}$ °C	@Temperature 2370 $\text{\AA}$ °F	

Component Elements Properties	Metric	English	Comments
Al2O3	73 %	73 %	
Fe2O3	1.2 %	1.2 %	
SiO2	11 %	11 %	
ZrO2	6.0 %	6.0 %	

Descriptive Properties	Value	Comments
Material Consumption per 1 m3	2900 kg	
Mixing Water	4.5-5.5 liters	per 100 kgs dry material

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China