

Gouda Vuurvast VIBRON 160 K Dense Vibrating Refractory Castable

Category : Ceramic , Carbide

Material Notes:

Description: Vibron 160 K is a low cement castable based on silicon carbide and characterized by a very good thermal conductivity and high abrasion resistance. The thermal shock resistance is excellent. 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-160-K-Dense-Vibrating-Refractory-Castable.php

Physical Properties	Metric	English	Comments
Bulk Density	2.55 - 2.65 g/cc	0.0921 - 0.0957 lb/in ³	After drying at 110 ^o C
Particle Size	<= 3000 μ m	<= 3000 μ m	Grain Size

Mechanical Properties	Metric	English	Comments
Compressive Strength	65.0 - 75.0 MPa	9430 - 10900 psi	Cold Crushing Strength
	@Temperature 100 ^o C	@Temperature 212 ^o F	
	100 - 120 MPa	14500 - 17400 psi	Cold Crushing Strength
	@Temperature 1400 ^o C	@Temperature 2550 ^o F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	6.00 W/m-K	41.6 BTU-in/hr-ft ² - ^o F	
	@Temperature 1400 ^o C	@Temperature 2550 ^o F	
	7.50 W/m-K	52.0 BTU-in/hr-ft ² - ^o F	
	@Temperature 600 ^o C	@Temperature 1110 ^o F	
	9.00 W/m-K	62.5 BTU-in/hr-ft ² - ^o F	
	@Temperature 100 ^o C	@Temperature 212 ^o F	
Maximum Service Temperature, Air	1600 ^o C	2910 ^o F	
Shrinkage	-0.100 - 0.100 %	-0.100 - 0.100 %	Permanent Linear Change
	@Temperature 1400 ^o C	@Temperature 2550 ^o F	

Component Elements Properties	Metric	English	Comments
Fe2O3	0.20 %	0.20 %	
SiC	87 %	87 %	
SiO2	5.0 %	5.0 %	

Descriptive Properties	Value	Comments
Material Consumption per 1 m3	2550 kg	
Mixing Water	4-4.5 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