

## Gouda Vuurvast VIBRON 150 G Dense Vibrating Refractory Castable

Category : Ceramic , Oxide , Aluminum Oxide

### Material Notes:

Description: Vibron 150 G is a low cement castable based on sintered South-American bauxite. Especially suited for direct contact with liquid aluminum metal. 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-G-Dense-Vibrating-Refractory-Castable.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-VIBRON-150-G-Dense-Vibrating-Refractory-Castable.php)

Physical Properties	Metric	English	Comments
Bulk Density	2.85 - 2.95 g/cc	0.103 - 0.107 lb/in <sup>3</sup>	After drying at 110 <sup>o</sup> C
Particle Size	<= 4000 $\mu$ m	<= 4000 $\mu$ m	Grain Size

Mechanical Properties	Metric	English	Comments
Compressive Strength	85.0 - 95.0 MPa	12300 - 13800 psi	Cold Crushing Strength
	@Temperature 100 <sup>o</sup> C	@Temperature 212 <sup>o</sup> F	
Compressive Strength	110 - 130 MPa	16000 - 18900 psi	Cold Crushing Strength
	@Temperature 1300 <sup>o</sup> C	@Temperature 2370 <sup>o</sup> F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.77 - 1.97 W/m-K	12.3 - 13.7 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 100 <sup>o</sup> C	@Temperature 212 <sup>o</sup> F	
Thermal Conductivity	1.77 - 1.97 W/m-K	12.3 - 13.7 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 600 <sup>o</sup> C	@Temperature 1110 <sup>o</sup> F	
Thermal Conductivity	1.82 - 2.02 W/m-K	12.6 - 14.0 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 1300 <sup>o</sup> C	@Temperature 2370 <sup>o</sup> F	
Maximum Service Temperature, Air	1350 <sup>o</sup> C	2460 <sup>o</sup> F	
Shrinkage	-0.300 - 0.300 %	-0.300 - 0.300 %	Permanent Linear Change
	@Temperature 1300 <sup>o</sup> C	@Temperature 2370 <sup>o</sup> F	

Component Elements Properties	Metric	English	Comments

Al2O3 Component Elements Properties	Metric 76 %	English 76 %	Comments
Fe2O3	1.2 %	1.2 %	
SiO2	12 %	12 %	

Descriptive Properties	Value	Comments
Material Consumption per 1 m3	2850 kg	
Mixing Water	5-6 liters	per 100 kgs dry material

## Contact Songhan Plastic Technology Co.,Ltd.

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