

## Gouda Vuurvast VIBRON 180 T Dense Vibrating Refractory Castable

Category : Ceramic , Oxide , Aluminum Oxide

### Material Notes:

Description: Vibron 180 T is a low cement castable, based on tabular alumina. 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-180-T-Dense-Vibrating-Refractory-Castable.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-VIBRON-180-T-Dense-Vibrating-Refractory-Castable.php)

Physical Properties	Metric	English	Comments
Bulk Density	3.10 - 3.20 g/cc	0.112 - 0.116 lb/in <sup>3</sup>	After drying at 110 <sup>o</sup> C
Particle Size	<= 6000 $\mu$ m	<= 6000 $\mu$ 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	150 - 170 MPa	21800 - 24700 psi	Cold Crushing Strength
	@Temperature 1600 <sup>o</sup> C	@Temperature 2910 <sup>o</sup> F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.93 - 2.13 W/m-K	13.4 - 14.8 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 600 <sup>o</sup> C	@Temperature 1110 <sup>o</sup> F	
	1.95 - 2.15 W/m-K	13.5 - 14.9 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 100 <sup>o</sup> C	@Temperature 212 <sup>o</sup> F	
	2.12 - 2.32 W/m-K	14.7 - 16.1 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 1600 <sup>o</sup> C	@Temperature 2910 <sup>o</sup> F	
Maximum Service Temperature, Air	1870 <sup>o</sup> C	3400 <sup>o</sup> F	
Shrinkage	-0.200 - 0.200 %	-0.200 - 0.200 %	Permanent Linear Change
	@Temperature 1600 <sup>o</sup> C	@Temperature 2910 <sup>o</sup> F	

Component Elements Properties	Metric	English	Comments
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AI2O3 Component Elements Properties	98 % Metric	98 % English	Comments
Fe2O3	<= 0.20 %	<= 0.20 %	
SiO2	<= 0.20 %	<= 0.20 %	

Descriptive Properties	Value	Comments
Material Consumption per 1 m3	3100 kg	
Mixing Water	3.5-4.5 liters	per 100 kgs dry material

## Contact Songhan Plastic Technology Co.,Ltd.

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