

## Gouda Vuurvast CURON 180 T SP GM Dense Refractory Castable

Category : Ceramic , Oxide , Aluminum Oxide

### Material Notes:

Description: Curon 180 T SP GM is a gunning castable based on tabular alumina for application at very high temperatures. 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-180-T-SP-GM-Dense-Refractory-Castable.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-CURON-180-T-SP-GM-Dense-Refractory-Castable.php)

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

Mechanical Properties	Metric	English	Comments
Compressive Strength	25.0 - 35.0 MPa	3630 - 5080 psi	Cold Crushing Strength
	@Temperature 1600 $\text{\AA}$ <sup>o</sup> C	@Temperature 2910 $\text{\AA}$ <sup>o</sup> F	
Compressive Strength	35.0 - 45.0 MPa	5080 - 6530 psi	Cold Crushing Strength
	@Temperature 100 $\text{\AA}$ <sup>o</sup> C	@Temperature 212 $\text{\AA}$ <sup>o</sup> F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.25 - 1.45 W/m-K	8.68 - 10.1 BTU-in/hr-ft <sup>2</sup> - $\text{\AA}$ <sup>o</sup> F	
	@Temperature 600 $\text{\AA}$ <sup>o</sup> C	@Temperature 1110 $\text{\AA}$ <sup>o</sup> F	
	1.41 - 1.42 W/m-K	9.79 - 9.85 BTU-in/hr-ft <sup>2</sup> - $\text{\AA}$ <sup>o</sup> F	
Thermal Conductivity	@Temperature 1600 $\text{\AA}$ <sup>o</sup> C	@Temperature 2910 $\text{\AA}$ <sup>o</sup> F	
	1.42 - 1.62 W/m-K	9.85 - 11.2 BTU-in/hr-ft <sup>2</sup> - $\text{\AA}$ <sup>o</sup> F	
Thermal Conductivity	@Temperature 100 $\text{\AA}$ <sup>o</sup> C	@Temperature 212 $\text{\AA}$ <sup>o</sup> F	
	Maximum Service Temperature, Air	1870 $\text{\AA}$ <sup>o</sup> C	
Shrinkage	-0.500 - 0.500 %	-0.500 - 0.500 %	Permanent Linear Change
	@Temperature 1600 $\text{\AA}$ <sup>o</sup> C	@Temperature 2910 $\text{\AA}$ <sup>o</sup> F	

Component Elements Properties	Metric	English	Comments

Al2O3 Component Elements Properties	94 % Metric	94 % English	Comments
CaO	4.5 %	4.5 %	
Fe2O3	0.20 %	0.20 %	
SiO2	0.20 %	0.20 %	

Descriptive Properties	Value	Comments
ASTM Classification	G	
Material Consumption per 1 m3	2550 kg	

## Contact Songhan Plastic Technology Co.,Ltd.

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