

## Gouda Vuurvast CURON 160 HF Dense Refractory Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

### Material Notes:

Description: This castable has a high volume stability and keeps its strength up to high temperatures. In addition, Curon 160 HF has an excellent thermal shock resistance. It is largely used in the steel industry. Remarks: These values apply to cast products. Also available in gunning variety, marked "GM". Information provided by Gouda Vuurvast.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Gouda-Vuurvast-CURON-160-HF-Dense-Refractory-Castable.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-CURON-160-HF-Dense-Refractory-Castable.php)

Physical Properties	Metric	English	Comments
Bulk Density	2.20 - 2.30 g/cc	0.0795 - 0.0831 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	40.0 - 50.0 MPa	5800 - 7250 psi	Cold Crushing Strength
	@Temperature 1300 $\text{\AA}$ <sup>o</sup> C	@Temperature 2370 $\text{\AA}$ <sup>o</sup> F	
Compressive Strength	65.0 - 75.0 MPa	9430 - 10900 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	0.610 - 0.710 W/m-K	4.23 - 4.93 BTU-in/hr-ft <sup>2</sup> - $\text{\AA}$ <sup>o</sup> F	
	@Temperature 100 $\text{\AA}$ <sup>o</sup> C	@Temperature 212 $\text{\AA}$ <sup>o</sup> F	
Thermal Conductivity	0.670 - 0.770 W/m-K	4.65 - 5.34 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	
Thermal Conductivity	0.780 - 0.880 W/m-K	5.41 - 6.11 BTU-in/hr-ft <sup>2</sup> - $\text{\AA}$ <sup>o</sup> F	
	@Temperature 1300 $\text{\AA}$ <sup>o</sup> C	@Temperature 2370 $\text{\AA}$ <sup>o</sup> F	
Maximum Service Temperature, Air	1600 $\text{\AA}$ <sup>o</sup> C	2910 $\text{\AA}$ <sup>o</sup> F	
Shrinkage	-0.550 - 0.550 %	-0.550 - 0.550 %	Permanent Linear Change
	@Temperature 1300 $\text{\AA}$ <sup>o</sup> C	@Temperature 2370 $\text{\AA}$ <sup>o</sup> F	

Component Elements Properties	Metric	English	Comments
Al2O3	64 %	64 %	
CaO	3.5 %	3.5 %	
Fe2O3	<= 1.5 %	<= 1.5 %	
SiO2	30 %	30 %	

Descriptive Properties	Value	Comments
ASTM Classification	E	
Material Consumption per 1 m3	2200 kg	
Mixing Water	9-10 liters	per 100 kgs dry material

## Contact Songhan Plastic Technology Co.,Ltd.

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