

## Gouda Vuurvast CURON 160 H SIC GM Dense Refractory Castable

Category : Ceramic , Carbide , Oxide , Aluminum Oxide , Silicon Oxide

### Material Notes:

Description: This gunning castable has an extremely good thermal shock resistance and very good resistance against aggressive slags.

Application among others in the copper industry. 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-160-H-SIC-GM-Dense-Refractory-Castable.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-CURON-160-H-SIC-GM-Dense-Refractory-Castable.php)

Physical Properties	Metric	English	Comments
Bulk Density	2.15 - 2.25 g/cc	0.0777 - 0.0813 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	25.0 - 35.0 MPa	3630 - 5080 psi	Cold Crushing Strength
	@Temperature 1300 $\text{\AA}^{\circ}$ C	@Temperature 2370 $\text{\AA}^{\circ}$ F	
Compressive Strength	35.0 - 45.0 MPa	5080 - 6530 psi	Cold Crushing Strength
	@Temperature 100 $\text{\AA}^{\circ}$ C	@Temperature 212 $\text{\AA}^{\circ}$ F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.810 - 0.910 W/m-K	5.62 - 6.32 BTU-in/hr-ft <sup>2</sup> - $\text{\AA}^{\circ}$ F	
	@Temperature 100 $\text{\AA}^{\circ}$ C	@Temperature 212 $\text{\AA}^{\circ}$ F	
Thermal Conductivity	0.810 - 0.910 W/m-K	5.62 - 6.32 BTU-in/hr-ft <sup>2</sup> - $\text{\AA}^{\circ}$ F	
	@Temperature 600 $\text{\AA}^{\circ}$ C	@Temperature 1110 $\text{\AA}^{\circ}$ F	
Thermal Conductivity	0.890 - 1.09 W/m-K	6.18 - 7.56 BTU-in/hr-ft <sup>2</sup> - $\text{\AA}^{\circ}$ F	
	@Temperature 1300 $\text{\AA}^{\circ}$ C	@Temperature 2370 $\text{\AA}^{\circ}$ F	
Maximum Service Temperature, Air	1600 $\text{\AA}^{\circ}$ C	2910 $\text{\AA}^{\circ}$ F	
Shrinkage	-0.250 - 0.250 %	-0.250 - 0.250 %	Permanent Linear Change
	@Temperature 1300 $\text{\AA}^{\circ}$ C	@Temperature 2370 $\text{\AA}^{\circ}$ F	

Component Elements Properties	Metric	English	Comments

Al2O3 Component Elements Properties	58 % Metric	58 % English	Comments
Fe2O3	<= 1.5 %	<= 1.5 %	
SiC	10 %	10 %	
SiO2	26 %	26 %	

Descriptive Properties	Value	Comments
ASTM Classification	E	
Material Consumption per 1 m3	2150 kg	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China