

## Gouda Vuurvast FLUCON 160 H SiC (R) Dense Self Flowing Refractory Castable

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

### Material Notes:

Description: Flucon 160 H SiC (R) is a self-flowing low cement castable, characterized by a high strength and good slag resistance. Because of the presence of SiC this material has a very good resistance to several aggressive slags. This material is especially developed for application in the steel 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-FLUCON-160-H-SiC-R-Dense-Self-Flowing-Refractory-Castable.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-FLUCON-160-H-SiC-R-Dense-Self-Flowing-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	<= 4000 $\mu$ m	<= 4000 $\mu$ m	Grain Size

Mechanical Properties	Metric	English	Comments
Compressive Strength	60.0 - 70.0 MPa	8700 - 10200 psi	Cold Crushing Strength
	@Temperature 100 <sup>o</sup> C	@Temperature 212 <sup>o</sup> F	
	190 - 210 MPa	27600 - 30500 psi	Cold Crushing Strength
	@Temperature 1400 <sup>o</sup> C	@Temperature 2550 <sup>o</sup> F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.15 - 1.35 W/m-K	7.98 - 9.37 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 100 <sup>o</sup> C	@Temperature 212 <sup>o</sup> F	
	1.18 - 1.38 W/m-K	8.19 - 9.58 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 600 <sup>o</sup> C	@Temperature 1110 <sup>o</sup> F	
	1.29 - 1.49 W/m-K	8.95 - 10.3 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 1400 <sup>o</sup> C	@Temperature 2550 <sup>o</sup> F	
Maximum Service Temperature, Air	1650 <sup>o</sup> C	3000 <sup>o</sup> F	
Shrinkage	-0.200 - 0.200 %	-0.200 - 0.200 %	Permanent Linear Change
	@Temperature 1400 <sup>o</sup> C	@Temperature 2550 <sup>o</sup> F	

Component Elements Properties	Metric	English	Comments
Al2O3	66 %	66 %	
Fe2O3	1.0 %	1.0 %	
SiC	7.0 %	7.0 %	
SiO2	25 %	25 %	

Descriptive Properties	Value	Comments
ASTM Classification	E	
Material Consumption per 1 m3	2550 kg	
Mixing Water	6-7 liters	per 100 kgs dry material

## 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