

## Gouda Vuurvast FLUCON 180 Dense Self Flowing Refractory Castable

Category : Ceramic , Oxide , Aluminum Oxide

### Material Notes:

Description: Flucon 180 is a self flowing castable based on white fused Alumina. This castable is applied at severe thermal conditions and or severe slag attack. 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-180-Dense-Self-Flowing-Refractory-Castable.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-FLUCON-180-Dense-Self-Flowing-Refractory-Castable.php)

Physical Properties	Metric	English	Comments
Bulk Density	3.15 - 3.25 g/cc	0.114 - 0.117 lb/in <sup>3</sup>	After drying at 110°C
Particle Size	<= 5000 µm	<= 5000 µm	Grain Size

Mechanical Properties	Metric	English	Comments
Compressive Strength	70.0 - 90.0 MPa	10200 - 13100 psi	Cold Crushing Strength
	@Temperature 100 °C	@Temperature 212 °F	
Compressive Strength	185 - 215 MPa	26800 - 31200 psi	Cold Crushing Strength
	@Temperature 1600 °C	@Temperature 2910 °F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.85 - 2.05 W/m-K	12.8 - 14.2 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 600 °C	@Temperature 1110 °F	
	1.90 - 2.10 W/m-K	13.2 - 14.6 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 100 °C	@Temperature 212 °F	
	2.00 - 2.20 W/m-K	13.9 - 15.3 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 1600 °C	@Temperature 2910 °F	
Maximum Service Temperature, Air	1800 °C	3270 °F	
Shrinkage	-0.500 - 0.500 %	-0.500 - 0.500 %	Permanent Linear Change
	@Temperature 1600 °C	@Temperature 2910 °F	

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	98 %	98 %	
CaO	1.5 %	1.5 %	

Component Elements Properties	Metric %	English %	Comments
SiO2	<= 0.20 %	<= 0.20 %	

Descriptive Properties	Value	Comments
Material Consumption per 1 m3	3150 kg	
Mixing Water	3.5-4 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