

## Gouda Vuurvast FLUCON 140 Dense Self Flowing Refractory Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

### Material Notes:

Description: Flucon 140 is a self flowing low cement castable, based on a high quality chamotte grog. 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-140-Dense-Self-Flowing-Refractory-Castable.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-FLUCON-140-Dense-Self-Flowing-Refractory-Castable.php)

Physical Properties	Metric	English	Comments
Bulk Density	2.30 - 2.40 g/cc	0.0831 - 0.0867 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	50.0 - 60.0 MPa	7250 - 8700 psi	Cold Crushing Strength
	@Temperature 100 <sup>o</sup> C	@Temperature 212 <sup>o</sup> F	
Compressive Strength	90.0 - 110 MPa	13100 - 16000 psi	Cold Crushing Strength
	@Temperature 1300 <sup>o</sup> C	@Temperature 2370 <sup>o</sup> F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.10 - 1.20 W/m-K	7.63 - 8.33 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 100 <sup>o</sup> C	@Temperature 212 <sup>o</sup> F	
Thermal Conductivity	1.13 - 1.23 W/m-K	7.84 - 8.54 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 600 <sup>o</sup> C	@Temperature 1110 <sup>o</sup> F	
Thermal Conductivity	1.20 - 1.30 W/m-K	8.33 - 9.02 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 1300 <sup>o</sup> C	@Temperature 2370 <sup>o</sup> F	
Maximum Service Temperature, Air	1400 <sup>o</sup> C	2550 <sup>o</sup> F	
Shrinkage	-0.400 - 0.400 %	-0.400 - 0.400 %	Permanent Linear Change
	@Temperature 1300 <sup>o</sup> C	@Temperature 2370 <sup>o</sup> F	

Component Elements Properties	Metric	English	Comments

Al2O3 Component Elements Properties	47 % Metric	47 % English	Comments
Fe2O3	1.5 %	1.5 %	
SiO2	47 %	47 %	

Descriptive Properties	Value	Comments
Material Consumption per 1 m3	2300 kg	
Mixing Water	5-6 liters	per 100 kgs dry material

## Contact Songhan Plastic Technology Co.,Ltd.

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