

## Gouda Vuurvast CURON 150 AC Dense Refractory Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

### Material Notes:

Description: Curon 150 AC is a coarse castable for use up to 1500°C with a high strength. 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-150-AC-Dense-Refractory-Castable.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-CURON-150-AC-Dense-Refractory-Castable.php)

Physical Properties	Metric	English	Comments
Bulk Density	2.25 - 2.35 g/cc	0.0813 - 0.0849 lb/in <sup>3</sup>	After drying at 110°C
Particle Size	<= 10000 µm	<= 10000 µm	Grain Size

Mechanical Properties	Metric	English	Comments
Compressive Strength	55.0 - 65.0 MPa	7980 - 9430 psi	Cold Crushing Strength
	@Temperature 100 °C	@Temperature 212 °F	
Compressive Strength	65.0 - 75.0 MPa	9430 - 10900 psi	Cold Crushing Strength
	@Temperature 1000 °C	@Temperature 1830 °F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.560 - 0.660 W/m-K	3.89 - 4.58 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 100 °C	@Temperature 212 °F	
Thermal Conductivity	0.610 - 0.710 W/m-K	4.23 - 4.93 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 600 °C	@Temperature 1110 °F	
Thermal Conductivity	0.670 - 0.770 W/m-K	4.65 - 5.34 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 1000 °C	@Temperature 1830 °F	
Maximum Service Temperature, Air	1500 °C	2730 °F	
Shrinkage	-0.500 - 0.500 %	-0.500 - 0.500 %	Permanent Linear Change
	@Temperature 1000 °C	@Temperature 1830 °F	

Component Elements Properties	Metric	English	Comments

Al2O3 Component Elements Properties	50 % Metric	50 % English	Comments
SiO2	42 %	42 %	

Descriptive Properties	Value	Comments
ASTM Classification	D	
Material Consumption per 1 m3	2250 kg	
Mixing Water	9-11 liters	per 100 kgs dry material

## Contact Songhan Plastic Technology Co.,Ltd.

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