

## Gouda Vuurvast CURON 120 Dense Refractory Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

### Material Notes:

Description: A general purpose castable for use up to 1200°C under normal operating conditions. Curon 120 has good thermal shock resistance. Remarks: These values apply to cast products. Also available in gunning variety, marked "GM". Other modifications are available on demand. Information provided by Gouda Vuurvast.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Gouda-Vuurvast-CURON-120-Dense-Refractory-Castable.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-CURON-120-Dense-Refractory-Castable.php)

Physical Properties	Metric	English	Comments
Bulk Density	1.90 - 2.00 g/cc	0.0686 - 0.0723 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	7.00 - 17.0 MPa	1020 - 2470 psi	Cold Crushing Strength
	@Temperature 1000 °C	@Temperature 1830 °F	
Compressive Strength	25.0 - 35.0 MPa	3630 - 5080 psi	Cold Crushing Strength
	@Temperature 100 °C	@Temperature 212 °F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.470 - 0.570 W/m-K	3.26 - 3.96 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 100 °C	@Temperature 212 °F	
Thermal Conductivity	0.510 - 0.610 W/m-K	3.54 - 4.23 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 600 °C	@Temperature 1110 °F	
Thermal Conductivity	0.550 - 0.650 W/m-K	3.82 - 4.51 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 1000 °C	@Temperature 1830 °F	
Maximum Service Temperature, Air	1200 °C	2190 °F	
Shrinkage	-0.100 - 0.500 %	-0.100 - 0.500 %	Permanent Linear Change
	@Temperature 1000 °C	@Temperature 1830 °F	

Component Elements Properties	Metric	English	Comments
Al2O3	33 %	33 %	
SiO2	50 %	50 %	

Descriptive Properties	Value	Comments
ASTM Classification	A	
Material Consumption per 1 m3	1900 kg	
Mixing Water	13-16 liters	per 100 kgs dry material

## Contact Songhan Plastic Technology Co.,Ltd.

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