

## Gouda Vuurvast CURON 110 Dense Refractory Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

### Material Notes:

Description: Curon 110 is an easily workable castable, especially developed to cast complicated shapes. Because of its low shrinkage, this castable has less tendency to crack. 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-110-Dense-Refractory-Castable.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-CURON-110-Dense-Refractory-Castable.php)

Physical Properties	Metric	English	Comments
Bulk Density	1.80 - 1.90 g/cc	0.0650 - 0.0686 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	15.0 - 25.0 MPa	2180 - 3630 psi	Cold Crushing Strength
	@Temperature 1000 $\text{\AA}$ C	@Temperature 1830 $\text{\AA}$ F	
Compressive Strength	25.0 - 35.0 MPa	3630 - 5080 psi	Cold Crushing Strength
	@Temperature 100 $\text{\AA}$ C	@Temperature 212 $\text{\AA}$ F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.450 - 0.550 W/m-K	3.12 - 3.82 BTU-in/hr-ft <sup>2</sup> - $\text{\AA}$ F	
	@Temperature 100 $\text{\AA}$ C	@Temperature 212 $\text{\AA}$ F	
Thermal Conductivity	0.490 - 0.590 W/m-K	3.40 - 4.09 BTU-in/hr-ft <sup>2</sup> - $\text{\AA}$ F	
	@Temperature 600 $\text{\AA}$ C	@Temperature 1110 $\text{\AA}$ F	
Thermal Conductivity	0.530 - 0.630 W/m-K	3.68 - 4.37 BTU-in/hr-ft <sup>2</sup> - $\text{\AA}$ F	
	@Temperature 1000 $\text{\AA}$ C	@Temperature 1830 $\text{\AA}$ F	
Maximum Service Temperature, Air	1100 $\text{\AA}$ C	2010 $\text{\AA}$ F	
Shrinkage	-0.200 - 0.000 %	-0.200 - 0.000 %	Permanent Linear Change
	@Temperature 1000 $\text{\AA}$ C	@Temperature 1830 $\text{\AA}$ F	

Component Elements Properties	Metric	English	Comments
Al2O3	30 %	30 %	
SiO2	53 %	53 %	

Descriptive Properties	Value	Comments
ASTM Classification	A	
Material Consumption per 1 m3	1800 kg	
Mixing Water	15-18 liters	per 100 kgs dry material

## Contact Songhan Plastic Technology Co.,Ltd.

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