

## Gouda Vuurvast CURON 110 C Dense Refractory Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

### Material Notes:

Description: Curon 110 C is a coarse castable. Application: covers for anode baking furnaces. 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-110-C-Dense-Refractory-Castable.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-CURON-110-C-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 <sup>o</sup> C
Particle Size	<= 8000 $\mu$ m	<= 8000 $\mu$ m	Grain Size

Mechanical Properties	Metric	English	Comments
Compressive Strength	20.0 - 30.0 MPa	2900 - 4350 psi	Cold Crushing Strength
	@Temperature 1000 $\text{\AA}$ <sup>o</sup> C	@Temperature 1830 $\text{\AA}$ <sup>o</sup> F	
Compressive Strength	30.0 - 40.0 MPa	4350 - 5800 psi	Cold Crushing Strength
	@Temperature 100 $\text{\AA}$ <sup>o</sup> C	@Temperature 212 $\text{\AA}$ <sup>o</sup> 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> - $\text{\AA}$ <sup>o</sup> F	
	@Temperature 100 $\text{\AA}$ <sup>o</sup> C	@Temperature 212 $\text{\AA}$ <sup>o</sup> F	
Thermal Conductivity	0.490 - 0.590 W/m-K	3.40 - 4.09 BTU-in/hr-ft <sup>2</sup> - $\text{\AA}$ <sup>o</sup> F	
	@Temperature 600 $\text{\AA}$ <sup>o</sup> C	@Temperature 1110 $\text{\AA}$ <sup>o</sup> F	
Thermal Conductivity	0.530 - 0.630 W/m-K	3.68 - 4.37 BTU-in/hr-ft <sup>2</sup> - $\text{\AA}$ <sup>o</sup> F	
	@Temperature 1000 $\text{\AA}$ <sup>o</sup> C	@Temperature 1830 $\text{\AA}$ <sup>o</sup> F	
Maximum Service Temperature, Air	1100 $\text{\AA}$ <sup>o</sup> C	2010 $\text{\AA}$ <sup>o</sup> F	
Shrinkage	-0.200 - 0.000 %	-0.200 - 0.000 %	Permanent Linear Change
	@Temperature 1000 $\text{\AA}$ <sup>o</sup> C	@Temperature 1830 $\text{\AA}$ <sup>o</sup> F	

Component Elements Properties	Metric	English	Comments

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

Descriptive Properties	Value	Comments
ASTM Classification	A	
Material Consumption per 1 m3	1850 kg	
Mixing Water	13-16 liters	per 100 kgs dry material

## Contact Songhan Plastic Technology Co.,Ltd.

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