

## Gouda Vuurvast CURON 150 HS Dense Refractory Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

### Material Notes:

Description: Dense refractory castable  
Remarks: These values apply to cast products. Also available in gunning variety, marked "GM". Information provided by Gouda Vuurvast.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Gouda-Vuurvast-CURON-150-HS-Dense-Refractory-Castable.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-CURON-150-HS-Dense-Refractory-Castable.php)

Physical Properties	Metric	English	Comments
Bulk Density	2.15 - 2.25 g/cc	0.0777 - 0.0813 lb/in <sup>3</sup>	After drying at 110 <sup>o</sup> C
Particle Size	<= 7000 $\mu$ m	<= 7000 $\mu$ m	Grain Size

Mechanical Properties	Metric	English	Comments
Compressive Strength	55.0 - 65.0 MPa	7980 - 9430 psi	Cold Crushing Strength
	@Temperature 1300 $\text{\AA}$ <sup>o</sup> C	@Temperature 2370 $\text{\AA}$ <sup>o</sup> F	
Compressive Strength	65.0 - 75.0 MPa	9430 - 10900 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	0.510 - 0.610 W/m-K	3.54 - 4.23 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	0.570 - 0.670 W/m-K	3.96 - 4.65 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	0.670 - 0.770 W/m-K	4.65 - 5.34 BTU-in/hr-ft <sup>2</sup> - $\text{\AA}$ <sup>o</sup> F	
	@Temperature 1300 $\text{\AA}$ <sup>o</sup> C	@Temperature 2370 $\text{\AA}$ <sup>o</sup> F	
Maximum Service Temperature, Air	1500 $\text{\AA}$ <sup>o</sup> C	2730 $\text{\AA}$ <sup>o</sup> F	
Shrinkage	-0.500 - 0.500 %	-0.500 - 0.500 %	Permanent Linear Change
	@Temperature 1300 $\text{\AA}$ <sup>o</sup> C	@Temperature 2370 $\text{\AA}$ <sup>o</sup> F	

Component Elements Properties	Metric	English	Comments

Al2O3 Component Elements Properties	50 % Metric	50 % English	Comments
Fe2O3	<= 2.0 %	<= 2.0 %	
SiO2	42 %	42 %	

Descriptive Properties	Value	Comments
ASTM Classification	D	
Material Consumption per 1 m3	2150 kg	
Mixing Water	10-12 liters	per 100 kgs dry material

## Contact Songhan Plastic Technology Co.,Ltd.

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