

## Gouda Vuurvast CURON 145 F Sp Dense Refractory Castable

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

### Material Notes:

Description: Curon 145F Special is a very fine graded castable and can be applied for the casting of complicated shapes. 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-145-F-Sp-Dense-Refractory-Castable.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-CURON-145-F-Sp-Dense-Refractory-Castable.php)

Physical Properties	Metric	English	Comments
Bulk Density	2.00 - 2.10 g/cc	0.0723 - 0.0759 lb/in <sup>3</sup>	After drying at 110 <sup>o</sup> C
Particle Size	<= 3000 $\mu$ m	<= 3000 $\mu$ m	Grain Size

Mechanical Properties	Metric	English	Comments
Compressive Strength	10.0 - 20.0 MPa	1450 - 2900 psi	Cold Crushing Strength
	@Temperature 1300 $\text{\AA}$ <sup>o</sup> C	@Temperature 2370 $\text{\AA}$ <sup>o</sup> F	
Compressive Strength	20.0 - 30.0 MPa	2900 - 4350 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	0.500 - 0.600 W/m-K	3.47 - 4.16 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	0.550 - 0.650 W/m-K	3.82 - 4.51 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	0.640 - 0.740 W/m-K	4.44 - 5.14 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	1480 $\text{\AA}$ <sup>o</sup> C	2700 $\text{\AA}$ <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	43 % Metric	43 % English	Comments
SiO2	41 %	41 %	

Descriptive Properties	Value	Comments
ASTM Classification	D	
Material Consumption per 1 m3	1950 kg	
Mixing Water	13-16 liters	per 100 kgs dry material

## Contact Songhan Plastic Technology Co.,Ltd.

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