

## Gouda Vuurvast CURAS 85 P Moldable Refractory Material

Category : Ceramic , Oxide , Aluminum Oxide

### Material Notes:

Description: This phosphate bonded material based on corundum and bauxite has already at low temperature a reasonable strength and has a very good resistance against slag attack or liquid aluminum. The mechanical strength of this product is developed after heating above 150°C. Remarks: The stated chemical composition and physical properties represent average values. Information provided by Gouda Vuurvast.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Gouda-Vuurvast-CURAS-85-P-Moldable-Refractory-Material.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-CURAS-85-P-Moldable-Refractory-Material.php)

Physical Properties	Metric	English	Comments
Bulk Density	2.90 - 3.00 g/cc	0.105 - 0.108 lb/in <sup>3</sup>	After drying at 110°C

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.890 - 0.990 W/m-K	6.18 - 6.87 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 100 °C	@Temperature 212 °F	
	0.970 - 1.17 W/m-K	6.73 - 8.12 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 600 °C	@Temperature 1110 °F	
	1.44 - 1.64 W/m-K	9.99 - 11.4 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 1600 °C	@Temperature 2910 °F	
Maximum Service Temperature, Air	1650 °C	3000 °F	
Shrinkage	-1.50 - 1.50 %	-1.50 - 1.50 %	Permanent Linear Change
	@Temperature 1600 °C	@Temperature 2910 °F	

Component Elements Properties	Metric	English	Comments
Al2O3	83 %	83 %	
Fe2O3	<= 1.0 %	<= 1.0 %	
P2O5	2.0 %	2.0 %	
SiO2	11 %	11 %	

Descriptive Properties	Value	Comments
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Descriptive Properties	Value <sup>cal/ceramic</sup>	Comments
Material Consumption per 1 m3	3100 kg	
Segeccone	37	
Workability	15-25%	ASTM C181-176

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China