

## Gouda Vuurvast CURASBOND 85 Moldable Refractory Material

Category : Ceramic , Oxide , Aluminum Oxide

### Material Notes:

Description: Curasbond 85 is a pouring repairmass, characterized by excellent resistance to aluminum and rapid hardening. The product is supplied in two components: a dry powder and a liquid. It can withstand high heating rates directly after repair which leads to short down time. Therefore it is an ideal material for repairs in aluminum furnaces. 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-CURASBOND-85-Moldable-Refractory-Material.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-CURASBOND-85-Moldable-Refractory-Material.php)

Physical Properties	Metric	English	Comments
Bulk Density	2.60 - 2.70 g/cc	0.0939 - 0.0975 lb/in <sup>3</sup>	After drying at 110 <sup>o</sup> C

Mechanical Properties	Metric	English	Comments
Compressive Strength	65.0 - 75.0 MPa	9430 - 10900 psi	Cold Crushing Strength
	@Temperature 100 <sup>o</sup> C	@Temperature 212 <sup>o</sup> F	
	90.0 - 110 MPa	13100 - 16000 psi	Cold Crushing Strength
	@Temperature 1600 <sup>o</sup> C	@Temperature 2910 <sup>o</sup> F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.70 - 1.90 W/m-K	11.8 - 13.2 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 600 <sup>o</sup> C	@Temperature 1110 <sup>o</sup> F	
	1.70 - 1.90 W/m-K	11.8 - 13.2 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 1600 <sup>o</sup> C	@Temperature 2910 <sup>o</sup> F	
	2.00 - 2.20 W/m-K	13.9 - 15.3 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 100 <sup>o</sup> C	@Temperature 212 <sup>o</sup> F	
Maximum Service Temperature, Air	1650 <sup>o</sup> C	3000 <sup>o</sup> F	
Shrinkage	-1.50 - 0.500 %	-1.50 - 0.500 %	Permanent Linear Change
	@Temperature 1600 <sup>o</sup> C	@Temperature 2910 <sup>o</sup> F	

Component Elements Properties	Metric	English	Comments
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Component Elements Properties	Metric	English	Comments
Fe2O3	0.70 %	0.70 %	
P2O5	7.0 %	7.0 %	
SiO2	5.0 %	5.0 %	

Descriptive Properties	Value	Comments
Bonding Type	chemical/ceramic	
Material Consumption per 1 m3	2700 kg	
Segeccone	37	

## 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