

## Gouda Vuurvast CURAS 90 D Moldable Refractory Material

Category : Ceramic , Oxide , Aluminum Oxide

### Material Notes:

Description: This material is supplied as a dry powder, it has to be mixed with potable water to the necessary consistency. This high refractory ramming material contains several well defined corundum qualities and only a small quantity of binding agent. Curas 90 D has a very good resistance against erosion and corrosion. It is specially applied in electric arc furnace roofs. 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-90-D-Moldable-Refractory-Material.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-CURAS-90-D-Moldable-Refractory-Material.php)

Physical Properties	Metric	English	Comments
Bulk Density	2.70 - 2.80 g/cc	0.0975 - 0.101 lb/in <sup>3</sup>	After drying at 110 <sup>o</sup> C

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.31 - 1.51 W/m-K	9.09 - 10.5 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 100 <sup>o</sup> C	@Temperature 212 <sup>o</sup> F	
	1.38 - 1.58 W/m-K	9.58 - 11.0 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 600 <sup>o</sup> C	@Temperature 1110 <sup>o</sup> F	
	1.48 - 1.68 W/m-K	10.3 - 11.7 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 1600 <sup>o</sup> C	@Temperature 2910 <sup>o</sup> F	
Maximum Service Temperature, Air	1760 <sup>o</sup> C	3200 <sup>o</sup> F	
Shrinkage	-0.700 - 0.300 %	-0.700 - 0.300 %	Permanent Linear Change
	@Temperature 1600 <sup>o</sup> C	@Temperature 2910 <sup>o</sup> F	

Component Elements Properties	Metric	English	Comments
Al2O3	90 %	90 %	
Fe2O3	1.0 %	1.0 %	
SiO2	8.0 %	8.0 %	

Descriptive Properties	Value	Comments
Bonding Type	ceramic	

Descriptive Properties per 1 m3	Value <sup>kg</sup>	Comments
Mixing Water	8-10 liters per 100 kg dry material	
Segeccone	41	

## Contact Songhan Plastic Technology Co.,Ltd.

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