

## Gouda Vuurvast CURAS 60 SD Moldable Refractory Material

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

### Material Notes:

Description: This material is supplied as a dry powder, it has to be mixed with potable water to the necessary consistency. Because this material contains a high percentage of sillimanite, it has a very good thermal shock resistance together with a very good slag resistance. This material is especially applicable in burner throats under severe conditions. 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-60-SD-Moldable-Refractory-Material.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-CURAS-60-SD-Moldable-Refractory-Material.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

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.730 - 0.830 W/m-K	5.07 - 5.76 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 100 <sup>o</sup> C	@Temperature 212 <sup>o</sup> F	
	0.880 - 0.980 W/m-K	6.11 - 6.80 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 600 <sup>o</sup> C	@Temperature 1110 <sup>o</sup> F	
	1.07 - 1.27 W/m-K	7.43 - 8.81 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 1400 <sup>o</sup> C	@Temperature 2550 <sup>o</sup> F	
Maximum Service Temperature, Air	1600 <sup>o</sup> C	2910 <sup>o</sup> F	
Shrinkage	-0.300 - 0.300 %	-0.300 - 0.300 %	Permanent Linear Change
	@Temperature 1400 <sup>o</sup> C	@Temperature 2550 <sup>o</sup> F	

Component Elements Properties	Metric	English	Comments
Al2O3	59 %	59 %	
Fe2O3	1.5 %	1.5 %	
SiO2	36 %	36 %	

Descriptive Properties	Value	Comments
Bonding Type	ceramic	

Descriptive Properties per 1 m <sup>3</sup>	Value <sup>kg</sup>	Comments
Mixing Water	10-12 liters	per 100 kgs dry material
Segercone	35	

## Contact Songhan Plastic Technology Co.,Ltd.

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