

Gouda Vuurvast CURAS 60 S Moldable Refractory Material

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: Because this material contains a high percentage of sillimanite, it has a very good thermal shock resistance together with a very good slag resistance. Therefore this material finds its application in heavily treated burner throats. 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-S-Moldable-Refractory-Material.php

Physical Properties	Metric	English	Comments
Bulk Density	2.20 - 2.30 g/cc	0.0795 - 0.0831 lb/in ³	After drying at 110 ^o C

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.900 - 1.10 W/m-K	6.25 - 7.63 BTU-in/hr-ft ² - ^o F	
	@Temperature 100 ^o C	@Temperature 212 ^o F	
	1.10 - 1.30 W/m-K	7.63 - 9.02 BTU-in/hr-ft ² - ^o F	
	@Temperature 600 ^o C	@Temperature 1110 ^o F	
	1.22 - 1.42 W/m-K	8.47 - 9.85 BTU-in/hr-ft ² - ^o F	
	@Temperature 1100 ^o C	@Temperature 2010 ^o F	
Maximum Service Temperature, Air	1600 ^o C	2910 ^o F	
Shrinkage	-1.60 - 1.60 %	-1.60 - 1.60 %	Permanent Linear Change
	@Temperature 1100 ^o C	@Temperature 2010 ^o F	

Component Elements Properties	Metric	English	Comments
Al2O3	60 %	60 %	
Fe2O3	0.90 %	0.90 %	
SiO2	35 %	35 %	

Descriptive Properties	Value	Comments
Bonding Type	chemical/ceramic	
Material Consumption per 1 m3	2400 kg	

Descriptive Properties	Value	Comments
Workability	20-25%	ASTM C181-176

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