

Gouda Vuurvast CURAS 40 Moldable Refractory Material

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: Because of special additions this type of moldable already has a reasonable strength at room temperature. It is used for a wide range of applications. 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-40-Moldable-Refractory-Material.php

Physical Properties	Metric	English	Comments
Bulk Density	2.01 - 2.11 g/cc	0.0726 - 0.0762 lb/in ³	After drying at 110 ^o C

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.800 - 0.900 W/m-K	5.55 - 6.25 BTU-in/hr-ft ² - ^o F	
	@Temperature 100 ^o C	@Temperature 212 ^o F	
	0.900 - 1.10 W/m-K	6.25 - 7.63 BTU-in/hr-ft ² - ^o F	
	@Temperature 600 ^o C	@Temperature 1110 ^o F	
	1.04 - 1.24 W/m-K	7.22 - 8.61 BTU-in/hr-ft ² - ^o F	
	@Temperature 1100 ^o C	@Temperature 2010 ^o F	
Maximum Service Temperature, Air	1450 ^o C	2640 ^o F	
Shrinkage	-1.75 - 1.75 %	-1.75 - 1.75 %	Permanent Linear Change
	@Temperature 1100 ^o C	@Temperature 2010 ^o F	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	40 %	40 %	
Fe ₂ O ₃	1.2 %	1.2 %	
SiO ₂	55 %	55 %	

Descriptive Properties	Value	Comments
Bonding Type	chemical/ceramic	
Material Consumption per 1 m ³	2250 kg	

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

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