

Gouda Vuurvast CURAS SiC 70 D Moldable Refractory Material

Category : Ceramic , Carbide

Material Notes:

Description: This material is supplied as a dry powder and has to be mixed with clean potable water to the necessary consistency. Curas SiC 70D has a phosphate bond and is specially developed for boiler tubes. 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-SiC-70-D-Moldable-Refractory-Material.php

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

Thermal Properties	Metric	English	Comments
Thermal Conductivity	3.00 - 5.00 W/m-K	20.8 - 34.7 BTU-in/hr-ft ² - ^o F	
	@Temperature 100 ^o C	@Temperature 212 ^o F	
	4.00 - 6.00 W/m-K	27.8 - 41.6 BTU-in/hr-ft ² - ^o F	
	@Temperature 600 ^o C	@Temperature 1110 ^o F	
	5.00 - 7.00 W/m-K	34.7 - 48.6 BTU-in/hr-ft ² - ^o F	
	@Temperature 1300 ^o C	@Temperature 2370 ^o F	
Maximum Service Temperature, Air	1500 ^o C	2730 ^o F	
Shrinkage	-0.400 - 0.400 %	-0.400 - 0.400 %	Permanent Linear Change
	@Temperature 1300 ^o C	@Temperature 2370 ^o F	

Component Elements Properties	Metric	English	Comments
Al2O3	18 %	18 %	
SiC	70 %	70 %	
SiO2	7.0 %	7.0 %	

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

Descriptive Properties	Value	Comments
Mixing Water	7-9 liters	per 100 kgs dry material

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