

Gouda Vuurvast CURAS PBK Moldable Refractory Material

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

Description: This moldable contains a phosphate binding agent and has a low silica content. For a large variety of applications this results in a good slag resistance and high strength properties at lower temperatures. The mechanical strength of this product is developed after heating above 150Â°C. 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-PBK-Moldable-Refractory-Material.php

Physical Properties	Metric	English	Comments
Bulk Density	2.90 - 3.00 g/cc	0.105 - 0.108 lb/inÂ³	After drying at 110Â°C

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.35 - 1.55 W/m-K	9.37 - 10.8 BTU-in/hr-ftÂ²-Â°F	
	@Temperature 100 Â°C	@Temperature 212 Â°F	
	1.40 - 1.60 W/m-K	9.72 - 11.1 BTU-in/hr-ftÂ²-Â°F	
	@Temperature 600 Â°C	@Temperature 1110 Â°F	
	1.53 - 1.73 W/m-K	10.6 - 12.0 BTU-in/hr-ftÂ²-Â°F	
	@Temperature 1600 Â°C	@Temperature 2910 Â°F	
Maximum Service Temperature, Air	1750 Â°C	3180 Â°F	
Shrinkage	-1.50 - 0.500 %	-1.50 - 0.500 %	Permanent Linear Change
	@Temperature 1600 Â°C	@Temperature 2910 Â°F	

Component Elements Properties	Metric	English	Comments
Al2O3	96 %	96 %	
Fe2O3	<= 0.50 %	<= 0.50 %	
SiO2	2.0 %	2.0 %	

Descriptive Properties	Value	Comments
Bonding Type	chemical/ceramic	

Descriptive Properties	Value	Comments
Segercone	41	
Workability	20-25%	ASTM C181-176

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