

Gouda Vuurvast B 1 Dense Refractory Brick

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: B 1 is a fireclay quality for general applications up to 1350°C
 Remarks: This data represents average values, obtained from samples that were cut from standard bricks.
 Information provided by Gouda Vuurvast.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Gouda-Vuurvast-B-1-Dense-Refractory-Brick.php

Physical Properties	Metric	English	Comments
Density	2.15 g/cc	0.0777 lb/in ³	Apparent
Porosity	20 %	20 %	Apparent

Mechanical Properties	Metric	English	Comments
Compressive Strength	35.0 MPa	5080 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.10 W/m-K	7.63 BTU-in/hr-ft ² - °F	
	@Temperature 100 °C	@Temperature 212 °F	
	1.23 W/m-K	8.54 BTU-in/hr-ft ² - °F	
	@Temperature 650 °C	@Temperature 1200 °F	
	1.37 W/m-K	9.51 BTU-in/hr-ft ² - °F	
	@Temperature 1100 °C	@Temperature 2010 °F	
Maximum Service Temperature, Air	1350 °C	2460 °F	
	1420 °C	2590 °F	Deformation under load - t _a

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	39 %	39 %	
Fe ₂ O ₃	<= 1.5 %	<= 1.5 %	
SiO ₂	55 %	55 %	

Descriptive Properties	Value	Comments
Segecone	33	
Thermal Shock Resistance	10 cycles	DIN 51068

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