

Gouda Vuurvast C Dense Refractory Brick

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: A dry-pressed fireclay brick for use up to 1250°C with a good resistance to acid slags and vapors. Application: industrial furnaces, chimneys, electrolytic reduction cells. 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-C-Dense-Refractory-Brick.php

Physical Properties	Metric	English	Comments
Density	1.95 g/cc	0.0704 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	0.950 W/m-K	6.59 BTU-in/hr-ft ² - °F	
	@Temperature 100 °C	@Temperature 212 °F	
	1.10 W/m-K	7.63 BTU-in/hr-ft ² - °F	
	@Temperature 650 °C	@Temperature 1200 °F	
	1.20 W/m-K	8.33 BTU-in/hr-ft ² - °F	
	@Temperature 1100 °C	@Temperature 2010 °F	
Maximum Service Temperature, Air	1250 °C	2280 °F	
	1275 °C	2327 °F	Deformation under load - t _a

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	25 - 28 %	25 - 28 %	
Fe ₂ O ₃	2.0 %	2.0 %	
SiO ₂	65 - 66 %	65 - 66 %	

Descriptive Properties	Value	Comments
Segecone	28-29	
Thermal Shock Resistance	5 cycles	DIN 51068

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