

Gouda Vuurvast AK 50 A Dense Refractory Brick

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: This brick has a low porosity and a high strength and therefore a very good slag resistance. Applications: rotary cement kilns. 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-AK-50-A-Dense-Refractory-Brick.php

Physical Properties	Metric	English	Comments
Density	2.35 g/cc	0.0849 lb/in ³	Apparent
Porosity	15 %	15 %	Apparent

Mechanical Properties	Metric	English	Comments
Compressive Strength	50.0 MPa	7250 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.51 W/m-K	10.5 BTU-in/hr-ft ² -°F	
	@Temperature 100 °C	@Temperature 212 °F	
	1.59 W/m-K	11.0 BTU-in/hr-ft ² -°F	
	@Temperature 650 °C	@Temperature 1200 °F	
	1.67 W/m-K	11.6 BTU-in/hr-ft ² -°F	
	@Temperature 1100 °C	@Temperature 2010 °F	
Maximum Service Temperature, Air	1500 °C	2730 °F	
	1520 °C	2770 °F	Deformation under load - t _a

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	50 %	50 %	
Fe ₂ O ₃	1.5 %	1.5 %	
SiO ₂	43 %	43 %	

Descriptive Properties	Value	Comments
Seegercone	35	

Thermal Shock Resistance Descriptive Properties	20 cycles Value	QIN 51068 Comments
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