

Gouda Vuurvast AK 70 KP Dense Refractory Brick

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: A high quality phosphate bonded andalusite/corundum brick with very good volume stability. Also good slag resistance and thermal shock resistance. 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-70-KP-Dense-Refractory-Brick.php

Physical Properties	Metric	English	Comments
Density	2.65 g/cc	0.0957 lb/in ³	Apparent
Porosity	16 %	16 %	Apparent

Mechanical Properties	Metric	English	Comments
Compressive Strength	75.0 MPa	10900 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.90 W/m-K	13.2 BTU-in/hr-ft ² - °F	
	@Temperature 1100 °C	@Temperature 2010 °F	
	2.00 W/m-K	13.9 BTU-in/hr-ft ² - °F	
	@Temperature 650 °C	@Temperature 1200 °F	
	2.20 W/m-K	15.3 BTU-in/hr-ft ² - °F	
	@Temperature 100 °C	@Temperature 212 °F	
Maximum Service Temperature, Air	1700 °C	3090 °F	
	1730 °C	3150 °F	Deformation under load - t _a

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	70 %	70 %	
Fe ₂ O ₃	0.80 %	0.80 %	
SiO ₂	26 %	26 %	

Descriptive Properties	Value	Comments
Segecone	38	
Thermal Shock Resistance	30 cycles	DIN 51068

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