

Gouda Vuurvast AK 60 AP Dense Refractory Brick

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: This phosphate bonded brick combines a very good thermal shock resistance with high slag resistance and low creep.

Application: frit melting furnaces, incinerators, burner blocks, lime kilns, etc. 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-60-AP-Dense-Refractory-Brick.php

Physical Properties	Metric	English	Comments
Density	2.55 g/cc	0.0921 lb/in ³	Apparent
Porosity	13 %	13 %	Apparent

Mechanical Properties	Metric	English	Comments
Compressive Strength	90.0 MPa	13100 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.82 W/m-K	12.6 BTU-in/hr-ft ² - °F	
	@Temperature 100 °C	@Temperature 212 °F	
	1.83 W/m-K	12.7 BTU-in/hr-ft ² - °F	
	@Temperature 650 °C	@Temperature 1200 °F	
	1.83 W/m-K	12.7 BTU-in/hr-ft ² - °F	
	@Temperature 1100 °C	@Temperature 2010 °F	
Maximum Service Temperature, Air	1600 °C	2910 °F	
	1620 °C	2950 °F	Deformation under load - t _a

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	60 %	60 %	
Fe ₂ O ₃	<= 1.0 %	<= 1.0 %	
SiO ₂	36 %	36 %	

Descriptive Properties	Value	Comments
Segeccone	37	
Thermal Shock Resistance	Min 30 cycles	DIN 51068

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