

Gouda Vuurvast AK 65 A Dense Refractory Brick

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: This andalusite based brick with a very pure mullite bond has a low alkali and iron content. In addition, it has a high creep resistance and is therefore used in applications where load bearing capacity at high temperatures is required. 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-65-A-Dense-Refractory-Brick.php

Physical Properties	Metric	English	Comments
Density	2.60 g/cc	0.0939 lb/in ³	Apparent
Porosity	15 %	15 %	Apparent

Mechanical Properties	Metric	English	Comments
Compressive Strength	60.0 MPa	8700 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.93 W/m-K	13.4 BTU-in/hr-ft ² - °F	
	@Temperature 650 °C	@Temperature 1200 °F	
	1.93 W/m-K	13.4 BTU-in/hr-ft ² - °F	
	@Temperature 1100 °C	@Temperature 2010 °F	
	1.95 W/m-K	13.5 BTU-in/hr-ft ² - °F	
	@Temperature 100 °C	@Temperature 212 °F	
Maximum Service Temperature, Air	1700 °C	3090 °F	
	1720 °C	3130 °F	Deformation under load - t _a

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	65 %	65 %	
Fe ₂ O ₃	<= 1.0 %	<= 1.0 %	
SiO ₂	32 %	32 %	

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

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