

Gouda Vuurvast AK 60 M Dense Refractory Brick

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: This quality is produced from high fired raw materials with a high mullite content. The grain distribution for these bricks is carefully selected, so that a maximum density is obtained. By firing at high temperatures and using mullite as a binder, a homogeneous brick is obtained with very good refractory properties. Application: checker bricks, supports for tunnel kiln cars, burner bricks. 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-M-Dense-Refractory-Brick.php

Physical Properties	Metric	English	Comments
Density	2.50 g/cc	0.0903 lb/in ³	Apparent
Porosity	15 %	15 %	Apparent

Mechanical Properties	Metric	English	Comments
Compressive Strength	55.0 MPa	7980 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.75 W/m-K	12.1 BTU-in/hr-ft ² - °F	
	@Temperature 100 °C	@Temperature 212 °F	
	1.76 W/m-K	12.2 BTU-in/hr-ft ² - °F	
	@Temperature 650 °C	@Temperature 1200 °F	
	1.80 W/m-K	12.5 BTU-in/hr-ft ² - °F	
	@Temperature 1100 °C	@Temperature 2010 °F	
Maximum Service Temperature, Air	1600 °C	2910 °F	
	1650 °C	3000 °F	Deformation under load - t _a

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	60 %	60 %	
Fe ₂ O ₃	1.1 %	1.1 %	
Na ₂ O or K ₂ O	<= 0.50 %	<= 0.50 %	

Component Elements Properties	Metric	English	Comments
Descriptive Properties			
		Value	Comments
Segercone		37	
Thermal Shock Resistance		30 cycles	DIN 51068

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