

Gouda Vuurvast AK 86 A Dense Refractory Brick

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

Description: This bauxite based brick has a high strength and good erosion resistance. Application in torpedo ladles for the steel industry and outlet zone 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-86-A-Dense-Refractory-Brick.php

Physical Properties	Metric	English	Comments
Density	2.80 g/cc	0.101 lb/in ³	Apparent
Porosity	20 %	20 %	Apparent

Mechanical Properties	Metric	English	Comments
Compressive Strength	65.0 MPa	9430 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
Thermal Conductivity	2.10 W/m-K	14.6 BTU-in/hr-ft ² - °F	
	@Temperature 1100 °C	@Temperature 2010 °F	
	2.30 W/m-K	16.0 BTU-in/hr-ft ² - °F	
	@Temperature 650 °C	@Temperature 1200 °F	
	2.60 W/m-K	18.0 BTU-in/hr-ft ² - °F	
	@Temperature 100 °C	@Temperature 212 °F	
Maximum Service Temperature, Air	1550 °C	2820 °F	Deformation under load - t _a
	1550 °C	2820 °F	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	84 %	84 %	
Fe ₂ O ₃	<= 1.5 %	<= 1.5 %	
SiO ₂	11 %	11 %	

Descriptive Properties	Value	Comments
Segecone	39	
Thermal Shock Resistance	30 cycles	DIN 51068

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