

Gouda Vuurvast LP 80 A Dense Refractory Brick

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

Description: LP 80 is a low porosity brick based on sintered bauxite with an extremely high abrasion resistance and therefore very well suited for application in rotary cement furnaces. 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-LP-80-A-Dense-Refractory-Brick.php

Physical Properties	Metric	English	Comments
Density	2.85 g/cc	0.103 lb/in ³	Apparent
Porosity	12 %	12 %	Apparent

Mechanical Properties	Metric	English	Comments
Compressive Strength	120 MPa	17400 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
Thermal Conductivity	2.20 W/m-K	15.3 BTU-in/hr-ft ² - °F	
	@Temperature 1100 °C	@Temperature 2010 °F	
	2.40 W/m-K	16.7 BTU-in/hr-ft ² - °F	
	@Temperature 650 °C	@Temperature 1200 °F	
	2.70 W/m-K	18.7 BTU-in/hr-ft ² - °F	
	@Temperature 100 °C	@Temperature 212 °F	
Maximum Service Temperature, Air	1525 °C	2777 °F	Deformation under load - t _a
	1525 °C	2777 °F	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	78 %	78 %	
Fe ₂ O ₃	<= 1.5 %	<= 1.5 %	
SiO ₂	17 %	17 %	

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

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