

Gouda Vuurvast LP 60 M Dense Refractory Brick

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Description: LP 60 M is a special low porosity, high strength material based on 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. The combination of low porosity and high mullite content results in very good abrasion resistance and corrosion resistance. Application: 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-LP-60-M-Dense-Refractory-Brick.php

Physical Properties	Metric	English	Comments
Density	2.50 g/cc	0.0903 lb/in ³	Apparent
Porosity	10 %	10 %	Apparent

Mechanical Properties	Metric	English	Comments
Compressive Strength	100 MPa	14500 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.90 W/m-K	13.2 BTU-in/hr-ft ² -°F	
	@Temperature 100 °C	@Temperature 212 °F	
	1.90 W/m-K	13.2 BTU-in/hr-ft ² -°F	
	@Temperature 650 °C	@Temperature 1200 °F	
	1.95 W/m-K	13.5 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 %	
SiO ₂	36 %	36 %	

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

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