

Gouda Vuurvast LP 85 AM Dense Refractory Brick

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

Description: LP 85 AM is a brick based on bauxite with a mullite bond. It is characterized by a very low porosity and a high abrasion- and corrosion resistance. Application: torpedo ladles, iron ladles, discharge zone of 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-85-AM-Dense-Refractory-Brick.php

Physical Properties	Metric	English	Comments
Density	2.95 g/cc	0.107 lb/in ³	Apparent
Porosity	14 %	14 %	Apparent

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

Thermal Properties	Metric	English	Comments
Thermal Conductivity	2.30 W/m-K	16.0 BTU-in/hr-ft ² - °F	
	@Temperature 1100 °C	@Temperature 2010 °F	
	2.50 W/m-K	17.4 BTU-in/hr-ft ² - °F	
	@Temperature 650 °C	@Temperature 1200 °F	
	2.80 W/m-K	19.4 BTU-in/hr-ft ² - °F	
	@Temperature 100 °C	@Temperature 212 °F	
Maximum Service Temperature, Air	1550 °C	2820 °F	
	1600 °C	2910 °F	Deformation under load - t_a

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	85 %	85 %	
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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