

Gouda Vuurvast LP 85 KP Dense Refractory Brick

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

Description: This mullite and phosphate bonded corundum brick has a very low porosity, a high strength and a good thermal shock resistance. This quality has a very good resistance against slag. Application: rotary incinerators. 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-KP-Dense-Refractory-Brick.php

Physical Properties	Metric	English	Comments
Density	3.15 g/cc	0.114 lb/in ³	Apparent
Porosity	10 %	10 %	Apparent

Mechanical Properties	Metric	English	Comments
Compressive Strength	130 MPa	18900 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	>= 1750 °C	>= 3180 °F	Deformation under load - t_a
	1750 °C	3180 °F	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	84 %	84 %	
Fe ₂ O ₃	<= 0.50 %	<= 0.50 %	
SiO ₂	13 %	13 %	

Descriptive Properties	Value	Comments
Segercone	40	

Thermal Shock Resistance Descriptive Properties	Min 30 cycles Value	DIN 51068 Comments
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Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China