

Gouda Vuurvast AC 90-5 D Dense Refractory Brick

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

Description: A special quality with an extra ordinary resistance to alkali and metallurgical slags, a good resistance to thermal cycling, a good volume stability and high strength at high process temperatures. Application: chemical waste incinerator rotary kilns, high temperature after combustion chambers
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-AC-90-5-D-Dense-Refractory-Brick.php

Physical Properties	Metric	English	Comments
Density	3.30 g/cc	0.119 lb/in ³	Apparent
Porosity	14 %	14 %	Apparent

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

Thermal Properties	Metric	English	Comments
Thermal Conductivity	2.50 W/m-K	17.4 BTU-in/hr-ft ² - °F	
	@Temperature 1100 °C	@Temperature 2010 °F	
	2.80 W/m-K	19.4 BTU-in/hr-ft ² - °F	
	@Temperature 650 °C	@Temperature 1200 °F	
	3.10 W/m-K	21.5 BTU-in/hr-ft ² - °F	
	@Temperature 100 °C	@Temperature 212 °F	
Maximum Service Temperature, Air	1700 °C	3090 °F	Deformation under load - t _a
	1800 °C	3270 °F	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	90 %	90 %	
Cr ₂ O ₃	5.0 %	5.0 %	
Fe ₂ O ₃	0.20 %	0.20 %	

Component Elements Properties	Metric	English	Comments
Descriptive Properties			
Seegercone		Min 42	
Thermal Shock Resistance		30 cycles	DIN 51068

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