

Gouda Vuurvast AC 90-8 Dense Refractory Brick

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

Description: Excellent resistance against alkali- and metal slags. The 8% chromium-oxide addition gives good volume stability at very high temperatures. Applications: chemical incinerators, combustion chambers for very high temperatures. 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-90-8-Dense-Refractory-Brick.php

Physical Properties	Metric	English	Comments
Density	3.35 g/cc	0.121 lb/in ³	Apparent
Porosity	18 %	18 %	Apparent

Mechanical Properties	Metric	English	Comments
Compressive Strength	80.0 MPa	11600 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
Thermal Conductivity	3.10 W/m-K	21.5 BTU-in/hr-ft ² - °F	
	@Temperature 1100 °C	@Temperature 2010 °F	
	3.20 W/m-K	22.2 BTU-in/hr-ft ² - °F	
	@Temperature 650 °C	@Temperature 1200 °F	
	4.80 W/m-K	33.3 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
	1900 °C	3450 °F	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	>= 90 %	>= 90 %	
Cr ₂ O ₃	8.0 %	8.0 %	
Fe ₂ O ₃	0.20 %	0.20 %	

Component Elements Properties	Metric	English	Comments
Descriptive Properties			
Segeccone		Min 42	
Thermal Shock Resistance		15 cycles	DIN 51068

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