

Gouda Vuurvast AC 80-5 Dense Refractory Brick

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

Description: This Cr₂O₃ containing brick shows a good slag and abrasion resistance. Application in ZnO furnaces. 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-80-5-Dense-Refractory-Brick.php

Physical Properties	Metric	English	Comments
Density	2.95 g/cc	0.107 lb/in ³	Apparent
Porosity	20 %	20 %	Apparent

Mechanical Properties	Metric	English	Comments
Compressive Strength	65.0 MPa	9430 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.90 W/m-K @Temperature 1100 °C	13.2 BTU-in/hr-ft ² - °F @Temperature 2010 °F	
	2.00 W/m-K @Temperature 650 °C	13.9 BTU-in/hr-ft ² - °F @Temperature 1200 °F	
	2.20 W/m-K @Temperature 100 °C	15.3 BTU-in/hr-ft ² - °F @Temperature 212 °F	
Maximum Service Temperature, Air	1700 °C	3090 °F	
	>= 1750 °C	>= 3180 °F	Deformation under load - t _a

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	84 %	84 %	
Cr ₂ O ₃	5.0 %	5.0 %	
Fe ₂ O ₃	<= 0.50 %	<= 0.50 %	
SiO ₂	10 %	10 %	

Descriptive Properties	Value	Comments
Segecone	38	
Thermal Shock Resistance	30 cycles	DIN 51068

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