

Gouda Vuurvast SiC 90 Dense Refractory Brick

Category : Ceramic , Oxide , Silicon Oxide

Material Notes:

Description: Very good thermal shock resistance, abrasion resistance as well as very good heat conductivity makes this SiC based brick very well suited for muffles as well as for applications under highly abrasive conditions. 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-SiC-90-Dense-Refractory-Brick.php

Physical Properties	Metric	English	Comments
Density	2.50 g/cc	0.0903 lb/in ³	Apparent
Porosity	18 %	18 %	Apparent

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

Thermal Properties	Metric	English	Comments
Thermal Conductivity	8.50 W/m-K	59.0 BTU-in/hr-ft ² -°F	
	@Temperature 1100 °C	@Temperature 2010 °F	
	11.0 W/m-K	76.3 BTU-in/hr-ft ² -°F	
	@Temperature 650 °C	@Temperature 1200 °F	
	15.0 W/m-K	104 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
	1700 °C	3090 °F	

Component Elements Properties	Metric	English	Comments
SiO ₂	92 %	92 %	

Descriptive Properties	Value	Comments
Thermal Shock Resistance	Min 30 cycles	DIN 51068

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