

Gouda Vuurvast FI 55-11 Insulating Refractory Brick

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

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-FI-55-11-Insulating-Refractory-Brick.php

Physical Properties	Metric	English	Comments
Density	1.04 - 1.16 g/cc	0.0376 - 0.0419 lb/in ³	Apparent

Mechanical Properties	Metric	English	Comments
Compressive Strength	8.00 - 12.0 MPa	1160 - 1740 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.380 - 0.580 W/m-K	2.64 - 4.03 BTU-in/hr-ft ² - ^o F	
	@Temperature 200 ^o C	@Temperature 392 ^o F	
	0.410 - 0.610 W/m-K	2.85 - 4.23 BTU-in/hr-ft ² - ^o F	
	@Temperature 600 ^o C	@Temperature 1110 ^o F	
	0.440 - 0.640 W/m-K	3.05 - 4.44 BTU-in/hr-ft ² - ^o F	
	@Temperature 1000 ^o C	@Temperature 1830 ^o F	
Maximum Service Temperature, Air	1550 ^o C	2820 ^o F	
Shrinkage	0.200 - 0.600 %	0.200 - 0.600 %	
	@Temperature 1520 ^o C, Time 86400 sec	@Temperature 2770 ^o F, Time 24.0 hour	

Component Elements Properties	Metric	English	Comments
Al2O3	57 %	57 %	
Fe2O3	<= 1.5 %	<= 1.5 %	
SiO2	39 %	39 %	

Descriptive Properties	Value	Comments
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Segercon Descriptive Properties	35 Value	Comments
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