

Gouda Vuurvast GI 28 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-GI-28-Insulating-Refractory-Brick.php

Physical Properties	Metric	English	Comments
Density	0.860 - 0.940 g/cc	0.0311 - 0.0340 lb/in ³	Apparent

Mechanical Properties	Metric	English	Comments
Compressive Strength	4.00 - 6.00 MPa	580 - 870 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.270 - 0.370 W/m-K	1.87 - 2.57 BTU-in/hr-ft ² - ^o F	
	@Temperature 200 ^o C	@Temperature 392 ^o F	
	0.320 - 0.420 W/m-K	2.22 - 2.91 BTU-in/hr-ft ² - ^o F	
	@Temperature 600 ^o C	@Temperature 1110 ^o F	
	0.380 - 0.480 W/m-K	2.64 - 3.33 BTU-in/hr-ft ² - ^o F	
	@Temperature 1000 ^o C	@Temperature 1830 ^o F	
Maximum Service Temperature, Air	1510 ^o C	2750 ^o F	
Shrinkage	0.200 - 0.600 %	0.200 - 0.600 %	
	@Temperature 1400 ^o C, Time 86400 sec	@Temperature 2550 ^o F, Time 24.0 hour	

Component Elements Properties	Metric	English	Comments
Al2O3	56 %	56 %	
Fe2O3	<= 1.5 %	<= 1.5 %	
SiO2	42 %	42 %	

Descriptive Properties	Value	Comments
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Segercon Descriptive Properties	35 Value	Comments
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