

Gouda Vuurvast GI 23 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-23-Insulating-Refractory-Brick.php

Physical Properties	Metric	English	Comments
Density	0.640 - 0.700 g/cc	0.0231 - 0.0253 lb/in ³	Apparent

Mechanical Properties	Metric	English	Comments
Compressive Strength	0.700 - 1.30 MPa	102 - 189 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.130 - 0.230 W/m-K	0.902 - 1.60 BTU-in/hr-ft ² - ^o F	
	@Temperature 200 ^o C	@Temperature 392 ^o F	
	0.190 - 0.290 W/m-K	1.32 - 2.01 BTU-in/hr-ft ² - ^o F	
	@Temperature 600 ^o C	@Temperature 1110 ^o F	
	0.250 - 0.350 W/m-K	1.74 - 2.43 BTU-in/hr-ft ² - ^o F	
	@Temperature 1000 ^o C	@Temperature 1830 ^o F	
Maximum Service Temperature, Air	1300 ^o C	2370 ^o F	
Shrinkage	0.200 - 0.800 %	0.200 - 0.800 %	
	@Temperature 1280 ^o C, Time 86400 sec	@Temperature 2340 ^o F, Time 24.0 hour	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	37 %	37 %	
Fe ₂ O ₃	<= 1.5 %	<= 1.5 %	
SiO ₂	55 %	55 %	

Descriptive Properties	Value	Comments
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Segercon Descriptive Properties	31 Value	Comments
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