

Gouda Vuurvast FI 35-15 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-35-15-Insulating-Refractory-Brick.php

Physical Properties	Metric	English	Comments
Density	1.44 - 1.56 g/cc	0.0520 - 0.0564 lb/in ³	Apparent

Mechanical Properties	Metric	English	Comments
Compressive Strength	12.0 - 18.0 MPa	1740 - 2610 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.500 - 0.700 W/m-K	3.47 - 4.86 BTU-in/hr-ft ² - ^o F	
	@Temperature 200 ^o C	@Temperature 392 ^o F	
	0.530 - 0.730 W/m-K	3.68 - 5.07 BTU-in/hr-ft ² - ^o F	
	@Temperature 600 ^o C	@Temperature 1110 ^o F	
	0.600 - 0.800 W/m-K	4.16 - 5.55 BTU-in/hr-ft ² - ^o F	
	@Temperature 1000 ^o C	@Temperature 1830 ^o F	
Maximum Service Temperature, Air	1350 ^o C	2460 ^o F	
Shrinkage	0.200 - 0.600 %	0.200 - 0.600 %	
	@Temperature 1320 ^o C, Time 86400 sec	@Temperature 2410 ^o F, Time 24.0 hour	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	41 %	41 %	
Fe ₂ O ₃	2.0 %	2.0 %	
SiO ₂	52 %	52 %	

Descriptive Properties	Value	Comments
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