

Gouda Vuurvast FI 35-12 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-35-12-Insulating-Refractory-Brick.php

Physical Properties	Metric	English	Comments
Density	1.15 - 1.25 g/cc	0.0415 - 0.0452 lb/in ³	Apparent

Mechanical Properties	Metric	English	Comments
Compressive Strength	12.0 - 16.0 MPa	1740 - 2320 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.340 - 0.440 W/m-K	2.36 - 3.05 BTU-in/hr-ft ² -°F	
	@Temperature 200 °C	@Temperature 392 °F	
	0.390 - 0.490 W/m-K	2.71 - 3.40 BTU-in/hr-ft ² -°F	
	@Temperature 600 °C	@Temperature 1110 °F	
	0.450 - 0.550 W/m-K	3.12 - 3.82 BTU-in/hr-ft ² -°F	
	@Temperature 1000 °C	@Temperature 1830 °F	
Maximum Service Temperature, Air	1350 °C	2460 °F	
Shrinkage	0.200 - 0.600 %	0.200 - 0.600 %	
	@Temperature 1320 °C, Time 86400 sec	@Temperature 2410 °F, Time 24.0 hour	

Component Elements Properties	Metric	English	Comments
Al2O3	41 %	41 %	
Fe2O3	2.0 %	2.0 %	
SiO2	52 %	52 %	

Descriptive Properties	Value	Comments
Segercone	33	

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