

Gouda Vuurvast FI 25-12 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-25-12-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	0.300 - 0.400 W/m-K	2.08 - 2.78 BTU-in/hr-ft ² -°F	
	@Temperature 200 °C	@Temperature 392 °F	
	0.340 - 0.440 W/m-K	2.36 - 3.05 BTU-in/hr-ft ² -°F	
	@Temperature 600 °C	@Temperature 1110 °F	
	0.400 - 0.500 W/m-K	2.78 - 3.47 BTU-in/hr-ft ² -°F	
	@Temperature 1000 °C	@Temperature 1830 °F	
Maximum Service Temperature, Air	1250 °C	2280 °F	
Shrinkage	0.200 - 0.600 %	0.200 - 0.600 %	
	@Temperature 1230 °C, Time 86400 sec	@Temperature 2250 °F, Time 24.0 hour	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	37 %	37 %	
Fe ₂ O ₃	2.0 %	2.0 %	
SiO ₂	56 %	56 %	

Descriptive Properties	Value	Comments
Segercone	31	

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