

## Gouda Vuurvast FI 45-15 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-45-15-Insulating-Refractory-Brick.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-FI-45-15-Insulating-Refractory-Brick.php)

Physical Properties	Metric	English	Comments
Density	1.39 - 1.51 g/cc	0.0502 - 0.0546 lb/in <sup>3</sup>	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 <sup>2</sup> - <sup>o</sup> F	
	@Temperature 200 <sup>o</sup> C	@Temperature 392 <sup>o</sup> F	
	0.530 - 0.730 W/m-K	3.68 - 5.07 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 600 <sup>o</sup> C	@Temperature 1110 <sup>o</sup> F	
	0.600 - 0.800 W/m-K	4.16 - 5.55 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 1000 <sup>o</sup> C	@Temperature 1830 <sup>o</sup> F	
Maximum Service Temperature, Air	1450 <sup>o</sup> C	2640 <sup>o</sup> F	
Shrinkage	-0.600 - -0.200 %	-0.600 - -0.200 %	
	@Temperature 1420 <sup>o</sup> C, Time 86400 sec	@Temperature 2590 <sup>o</sup> F, Time 24.0 hour	

Component Elements Properties	Metric	English	Comments
Al2O3	47 %	47 %	
Fe2O3	<= 1.5 %	<= 1.5 %	
SiO2	47 %	47 %	

Descriptive Properties	Value	Comments
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Segercon Descriptive Properties	35 Value	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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