

## Gouda Vuurvast GI 34 Insulating Refractory Brick

Category : Ceramic , Oxide , Aluminum 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-34-Insulating-Refractory-Brick.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-GI-34-Insulating-Refractory-Brick.php)

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

Mechanical Properties	Metric	English	Comments
Compressive Strength	6.50 - 9.50 MPa	943 - 1380 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.860 - 1.06 W/m-K	5.97 - 7.36 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 600 <sup>o</sup> C	@Temperature 1110 <sup>o</sup> F	
	0.890 - 1.09 W/m-K	6.18 - 7.56 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 1000 <sup>o</sup> C	@Temperature 1830 <sup>o</sup> F	
	0.900 - 1.10 W/m-K	6.25 - 7.63 BTU-in/hr-ft <sup>2</sup> - <sup>o</sup> F	
	@Temperature 200 <sup>o</sup> C	@Temperature 392 <sup>o</sup> F	
Maximum Service Temperature, Air	1800 <sup>o</sup> C	3270 <sup>o</sup> F	
Shrinkage	0.200 - 0.400 %	0.200 - 0.400 %	
	@Temperature 1650 <sup>o</sup> C, Time 86400 sec	@Temperature 3000 <sup>o</sup> F, Time 24.0 hour	

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	99 %	99 %	
Fe <sub>2</sub> O <sub>3</sub>	0.10 %	0.10 %	
SiO <sub>2</sub>	0.20 %	0.20 %	

Descriptive Properties	Value	Comments
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Segercon Descriptive Properties	42 Value	Comments
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