

## Gouda Vuurvast A Vuurvast Dense Refractory Brick

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

### Material Notes:

Description: A general purpose high quality fireclay brick for use up to 1400°C. Reasonably good thermal shock resistance. Remarks: 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-A-Vuurvast-Dense-Refractory-Brick.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-A-Vuurvast-Dense-Refractory-Brick.php)

Physical Properties	Metric	English	Comments
Density	2.15 g/cc	0.0777 lb/in <sup>3</sup>	Apparent
Porosity	<= 20 %	<= 20 %	Apparent

Mechanical Properties	Metric	English	Comments
Compressive Strength	35.0 MPa	5080 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.15 W/m-K	7.98 BTU-in/hr-ft <sup>2</sup> - °F	
	@Temperature 100 °C	@Temperature 212 °F	
	1.25 W/m-K	8.68 BTU-in/hr-ft <sup>2</sup> - °F	
	@Temperature 650 °C	@Temperature 1200 °F	
	1.38 W/m-K	9.58 BTU-in/hr-ft <sup>2</sup> - °F	
	@Temperature 1100 °C	@Temperature 2010 °F	
Maximum Service Temperature, Air	1400 °C	2550 °F	
	1450 °C	2640 °F	Deformation under load - t <sub>a</sub>

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	40 %	40 %	
Fe <sub>2</sub> O <sub>3</sub>	<= 2.0 %	<= 2.0 %	
SiO <sub>2</sub>	53 %	53 %	

Descriptive Properties	Value	Comments
Segeccone	34	
Thermal Shock Resistance	15 cycles	DIN 51068

## Contact Songhan Plastic Technology Co.,Ltd.

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