

## Gouda Vuurvast LP 100 Dense Refractory Brick

Category : Ceramic , Oxide , Aluminum Oxide

### Material Notes:

Description: This high purity alumina quality has a very low porosity and is fired at a temperature of more than 1700°C. The low percentages of SiO<sub>2</sub> and Fe<sub>2</sub>O<sub>3</sub> and the improved density make the quality very resistant to reducing atmospheres and to slag attack. Finds wide application in chemical reactors such as Shell gasification reactors. 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-LP-100-Dense-Refractory-Brick.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-LP-100-Dense-Refractory-Brick.php)

Physical Properties	Metric	English	Comments
Density	3.35 g/cc	0.121 lb/in <sup>3</sup>	Apparent
Porosity	13 %	13 %	Apparent

Mechanical Properties	Metric	English	Comments
Compressive Strength	100 MPa	14500 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
Thermal Conductivity	3.80 W/m-K	26.4 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 1100 °C	@Temperature 2010 °F	
	4.00 W/m-K	27.8 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 650 °C	@Temperature 1200 °F	
	6.00 W/m-K	41.6 BTU-in/hr-ft <sup>2</sup> -°F	
	@Temperature 100 °C	@Temperature 212 °F	
Maximum Service Temperature, Air	>= 1750 °C	>= 3180 °F	Deformation under load -
	1800 °C	3270 °F	t<sub>a</sub>

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	>= 99 %	>= 99 %	
Fe <sub>2</sub> O <sub>3</sub>	0.15 %	0.15 %	
SiO <sub>2</sub>	<= 0.30 %	<= 0.30 %	

Descriptive Properties	Value	Comments
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<small>Segercone</small> Descriptive Properties	<small>42</small> Value	Comments
Thermal Shock Resistance	20 cycles	DIN 51068

## Contact Songhan Plastic Technology Co.,Ltd.

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