

## Gouda Vuurvast AK 80 A Dense Refractory Brick

Category : Ceramic , Oxide , Aluminum Oxide

### Material Notes:

Description: A 78% alumina, bauxite based, quality with a high abrasion resistance, therefore very well suitable for rotary cement kilns. 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-AK-80-A-Dense-Refractory-Brick.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-AK-80-A-Dense-Refractory-Brick.php)

Physical Properties	Metric	English	Comments
Density	2.70 g/cc	0.0975 lb/in <sup>3</sup>	Apparent
Porosity	19 %	19 %	Apparent

Mechanical Properties	Metric	English	Comments
Compressive Strength	70.0 MPa	10200 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
Thermal Conductivity	2.10 W/m-K	14.6 BTU-in/hr-ft <sup>2</sup> - °F	
	@Temperature 650 °C	@Temperature 1200 °F	
	2.10 W/m-K	14.6 BTU-in/hr-ft <sup>2</sup> - °F	
	@Temperature 1100 °C	@Temperature 2010 °F	
	2.30 W/m-K	16.0 BTU-in/hr-ft <sup>2</sup> - °F	
	@Temperature 100 °C	@Temperature 212 °F	
Maximum Service Temperature, Air	1525 °C	2777 °F	Deformation under load - t <sub>a</sub>
	1525 °C	2777 °F	

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	78 %	78 %	
Fe <sub>2</sub> O <sub>3</sub>	<= 1.5 %	<= 1.5 %	
SiO <sub>2</sub>	17 %	17 %	

Descriptive Properties	Value	Comments
Segecone	38	
Thermal Shock Resistance	30 cycles	DIN 51068

## Contact Songhan Plastic Technology Co.,Ltd.

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