

## Gouda Vuurvast AK 70 A Dense Refractory Brick

Category : Ceramic , Oxide , Aluminum Oxide

### Material Notes:

Description: This brick is made of a high quality bauxite. Application: transition zone of rotary cement kiln. 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-70-A-Dense-Refractory-Brick.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-AK-70-A-Dense-Refractory-Brick.php)

Physical Properties	Metric	English	Comments
Density	2.65 g/cc	0.0957 lb/in <sup>3</sup>	Apparent
Porosity	18 %	18 %	Apparent

Mechanical Properties	Metric	English	Comments
Compressive Strength	60.0 MPa	8700 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.90 W/m-K	13.2 BTU-in/hr-ft <sup>2</sup> - °F	
	@Temperature 1100 °C	@Temperature 2010 °F	
	2.00 W/m-K	13.9 BTU-in/hr-ft <sup>2</sup> - °F	
	@Temperature 650 °C	@Temperature 1200 °F	
	2.25 W/m-K	15.6 BTU-in/hr-ft <sup>2</sup> - °F	
	@Temperature 100 °C	@Temperature 212 °F	
Maximum Service Temperature, Air	1500 °C	2730 °F	
	1500 °C	2730 °F	Deformation under load - t <sub>a</sub>

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	74 %	74 %	
Fe <sub>2</sub> O <sub>3</sub>	1.5 %	1.5 %	
SiO <sub>2</sub>	19 %	19 %	

Descriptive Properties	Value	Comments
Segecone	37	
Thermal Shock Resistance	30 cycles	DIN 51068

## Contact Songhan Plastic Technology Co.,Ltd.

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