

## Gouda Vuurvast AK 60 A Dense Refractory Brick

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

### Material Notes:

Description: This quality combines a dense structure with a very good thermal shock resistance. In addition AK 60 A bricks have a very good slag resistance and high creep resistance (less than 0.2% between 14 and 24 hours at 1400°C at a load of 0.2 MPa). Application: incinerators, burner bricks, lime kilns, frit melting furnaces. 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-60-A-Dense-Refractory-Brick.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-AK-60-A-Dense-Refractory-Brick.php)

Physical Properties	Metric	English	Comments
Density	2.55 g/cc	0.0921 lb/in <sup>3</sup>	Apparent
Porosity	14 %	14 %	Apparent

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

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.82 W/m-K	12.6 BTU-in/hr-ft <sup>2</sup> - °F	
	@Temperature 100 °C	@Temperature 212 °F	
	1.83 W/m-K	12.7 BTU-in/hr-ft <sup>2</sup> - °F	
	@Temperature 650 °C	@Temperature 1200 °F	
	1.83 W/m-K	12.7 BTU-in/hr-ft <sup>2</sup> - °F	
	@Temperature 1100 °C	@Temperature 2010 °F	
Maximum Service Temperature, Air	1650 °C	3000 °F	
	1700 °C	3090 °F	Deformation under load - t <sub>a</sub>

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	60 %	60 %	
Fe <sub>2</sub> O <sub>3</sub>	<= 1.0 %	<= 1.0 %	
SiO <sub>2</sub>	37 %	37 %	

Component Elements Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Seegercone		37	
Thermal Shock Resistance		Min 30 cycles	DIN 51068

## Contact Songhan Plastic Technology Co.,Ltd.

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