

## Gouda Vuurvast AK 85 M Dense Refractory Brick

Category : Ceramic , Oxide , Aluminum Oxide

### Material Notes:

Description: A bauxite based brick with a mullite bond. Application: torpedo ladles, electric arc furnace roofs, 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-85-M-Dense-Refractory-Brick.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-AK-85-M-Dense-Refractory-Brick.php)

Physical Properties	Metric	English	Comments
Density	2.85 g/cc	0.103 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	2.10 W/m-K @Temperature 1100 °C	14.6 BTU-in/hr-ft <sup>2</sup> - °F @Temperature 2010 °F	
	2.30 W/m-K @Temperature 650 °C	16.0 BTU-in/hr-ft <sup>2</sup> - °F @Temperature 1200 °F	
Maximum Service Temperature, Air	2.60 W/m-K @Temperature 100 °C	18.0 BTU-in/hr-ft <sup>2</sup> - °F @Temperature 212 °F	
	1600 °C	2910 °F	
	1620 °C	2950 °F	Deformation under load - t <sub>a</sub>

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	85 %	85 %	
Fe <sub>2</sub> O <sub>3</sub>	<= 1.5 %	<= 1.5 %	
SiO <sub>2</sub>	11 %	11 %	

Descriptive Properties	Value	Comments
Segecone	39	
Thermal Shock Resistance	30 cycles	DIN 51068

## Contact Songhan Plastic Technology Co.,Ltd.

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