

## Gouda Vuurvast AC 85-10 D Dense Refractory Brick

Category : Ceramic , Oxide , Aluminum Oxide

### Material Notes:

Description: A special quality with an extra ordinary resistance to alkali and metallurgical slags, a good resistance to thermal cycling, a good volume stability and high strength at high process temperatures. Application: chemical waste incinerator rotary kilns, high temperature after combustion chambers. 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-AC-85-10-D-Dense-Refractory-Brick.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-AC-85-10-D-Dense-Refractory-Brick.php)

Physical Properties	Metric	English	Comments
Density	3.35 g/cc	0.121 lb/in <sup>3</sup>	Apparent
Porosity	14 %	14 %	Apparent

Mechanical Properties	Metric	English	Comments
Compressive Strength	120 MPa	17400 psi	Cold Crushing Strength

Thermal Properties	Metric	English	Comments
Thermal Conductivity	3.40 W/m-K	23.6 BTU-in/hr-ft <sup>2</sup> - °F	
	@Temperature 1100 °C	@Temperature 2010 °F	
	3.60 W/m-K	25.0 BTU-in/hr-ft <sup>2</sup> - °F	
	@Temperature 650 °C	@Temperature 1200 °F	
	5.60 W/m-K	38.9 BTU-in/hr-ft <sup>2</sup> - °F	
	@Temperature 100 °C	@Temperature 212 °F	
Maximum Service Temperature, Air	1700 °C	3090 °F	Deformation under load - t <sub>a</sub>
	1800 °C	3270 °F	

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	87 %	87 %	
Cr <sub>2</sub> O <sub>3</sub>	10 %	10 %	
Fe <sub>2</sub> O <sub>3</sub>	0.20 %	0.20 %	

Component Elements Properties	Metric	English	Comments
<b>Descriptive Properties</b>			
Seegercone		Min 42	
Thermal Shock Resistance		Min 30 cycles	DIN 51068

## Contact Songhan Plastic Technology Co.,Ltd.

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