

## Gouda Vuurvast AC 80-10 Dense Refractory Brick

Category : Ceramic , Oxide , Aluminum Oxide

### Material Notes:

Description: This bauxite base brick shows, due to the addition of CR2O3, a very good slag resistance. 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-80-10-Dense-Refractory-Brick.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-AC-80-10-Dense-Refractory-Brick.php)

Physical Properties	Metric	English	Comments
Density	2.95 g/cc	0.107 lb/in <sup>3</sup>	Apparent
Porosity	21 %	21 %	Apparent

Mechanical Properties	Metric	English	Comments
Compressive Strength	55.0 MPa	7980 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	
	2.20 W/m-K	15.3 BTU-in/hr-ft <sup>2</sup> - °F	
	@Temperature 100 °C	@Temperature 212 °F	
Maximum Service Temperature, Air	1550 °C	2820 °F	Deformation under load - t <sub>a</sub>
	1700 °C	3090 °F	

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	80 %	80 %	
Cr <sub>2</sub> O <sub>3</sub>	10 %	10 %	
Fe <sub>2</sub> O <sub>3</sub>	<= 1.0 %	<= 1.0 %	
SiO <sub>2</sub>	5.5 %	5.5 %	

Descriptive Properties	Value	Comments
Segecone	38	
Thermal Shock Resistance	25 cycles	DIN 51068

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China