

## Gouda Vuurvast AK 60 C Dense Refractory Brick

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

### Material Notes:

Description: A bauxite based quality with a high abrasion resistance, successfully used in transition zones of rotary 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-60-C-Dense-Refractory-Brick.php](http://www.lookpolymers.com/polymer_Gouda-Vuurvast-AK-60-C-Dense-Refractory-Brick.php)

| Physical Properties | Metric    | English                   | Comments |
|---------------------|-----------|---------------------------|----------|
| Density             | 2.35 g/cc | 0.0849 lb/in <sup>3</sup> | Apparent |
| Porosity            | 19 %      | 19 %                      | Apparent |

| Mechanical Properties | Metric   | English  | Comments               |
|-----------------------|----------|----------|------------------------|
| Compressive Strength  | 50.0 MPa | 7250 psi | Cold Crushing Strength |

| Thermal Properties               | Metric                  | English                                | Comments                                   |
|----------------------------------|-------------------------|----------------------------------------|--------------------------------------------|
| Thermal Conductivity             | 1.70 W/m-K              | 11.8 BTU-in/hr-ft <sup>2</sup> -<br>°F |                                            |
|                                  | @Temperature 100 °C     | @Temperature 212 °F                    |                                            |
|                                  | 1.75 W/m-K              | 12.1 BTU-in/hr-ft <sup>2</sup> -<br>°F |                                            |
|                                  | @Temperature 650 °C     | @Temperature 1200<br>°F                |                                            |
|                                  | 1.77 W/m-K              | 12.3 BTU-in/hr-ft <sup>2</sup> -<br>°F |                                            |
|                                  | @Temperature 1100<br>°C | @Temperature 2010<br>°F                |                                            |
| Maximum Service Temperature, Air | 1450 °C                 | 2640 °F                                |                                            |
|                                  | 1475 °C                 | 2687 °F                                | Deformation under load -<br>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> | <= 1.5 % | <= 1.5 % |          |
| SiO <sub>2</sub>               | 34 %     | 34 %     |          |

| Descriptive Properties   | Value     | Comments  |
|--------------------------|-----------|-----------|
| Seegercone               | 35        |           |
| Thermal Shock Resistance | 25 cycles | DIN 51068 |

## Contact Songhan Plastic Technology Co.,Ltd.

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