



## AZAR SHAHAB REFRACTORIES CO.

### ARB-AI70SPB

#### General Properties

Raw Material Basis..... Bauxite

#### Main Chemical Component

Al <sub>2</sub> O <sub>3</sub> (%)	P <sub>2</sub> O <sub>5</sub> (%)	SiO <sub>2</sub> (%)	Fe <sub>2</sub> O <sub>3</sub> (%)	BaO (%)
Max 70	Max 3.5	Min 20.5	Min 1.4	Max 4.2

#### Physical & Thermal Properties

Reversible Thermal Expansion at 1000 °C (%) ..... 0.70-0.80

Bulk Density (gr/cm<sup>3</sup>) ..... 2.50-2.70

Apparent Porosity (%) ..... 16-18

Cold Crushing Strength (kg/cm<sup>2</sup>) ..... 800-1000

Refractoriness (°C) ..... 1640

Refractoriness Under Load (°C) .....1050-1070

Thermal Shock at 1000 °C (cycle) .....25-35

All data subject to reasonable deviation and therefore, should not be used for specification purposes.

Phone : 041 – 33467521-7

Fax : 041 – 33467247

Web: [www.azarshahab.com](http://www.azarshahab.com)

Email: [info@azarshahab.com](mailto:info@azarshahab.com)