



## AZAR SHAHAB REFRACTORIES CO.

### ARB-AI85SP

#### 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> (%)
Max 85	Max 3.5	Min 6	Min 1.5

#### 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 (%) .....	16-21
Cold Crushing Strength (kg/cm <sup>2</sup> ) .....	650-850
Refractoriness (°C) .....	1860
Refractoriness Under Load (°C) .....	1430-1450
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)