



## AZAR SHAHAB REFRACTORIES CO.

### ARB-AI70

#### General Properties

Raw Material Basis..... Bauxite

#### Main Chemical Component

Al <sub>2</sub> O <sub>3</sub> (%)	SiO <sub>2</sub> (%)	Fe <sub>2</sub> O <sub>3</sub> (%)
Max 70	Min 23	Min 1.8

#### Physical & Thermal Properties

Reversible Thermal Expansion at 1000 °C (%) ..... 0.65-0.75  
Bulk Density (gr/cm<sup>3</sup>) ..... 2.40-2.50  
Apparent Porosity (%) ..... 17-22  
Cold Crushing Strength (kg/cm<sup>2</sup>) ..... 400-600  
Refractoriness (°C) ..... 1800  
Refractoriness Under Load (°C) ..... 1380-1400  
Thermal Shock at 1000 °C(cycle) ..... 25-35

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

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