



## AZAR SHAHAB REFRACTORIES CO.

### ARB-40

#### General Properties

Classification.....High Duty Fireclay Brick  
Raw Material Basis..... Chamotte  
Type of Bond.....Ceramic

#### Main Chemical Component

Al <sub>2</sub> O <sub>3</sub> (%)	SiO <sub>2</sub> (%)	Fe <sub>2</sub> O <sub>3</sub> (%)
40	53	2

#### Physical & Thermal Properties

Reversible Thermal Expansion at 1000 °C (%) ..... 0.6-0.7  
Bulk Density (gr/cm<sup>3</sup>) .....2.00-2.15  
Apparent Porosity (%) .....16-20  
Cold Crushing Strength (kg/cm<sup>2</sup>) ..... 300-400  
Refractoriness (°C) .....1600  
Refractoriness Under Load (°C) .....1300-1320  
Thermal Shock at 1000 °C (cycle) ..... 15-20

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

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