



AZAR SHAHAB REFRACTORIES CO.



ARB-A180

General Properties

Raw Material Basis..... Bauxite

Main Chemical Component

Al ₂ O ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)
Max 80	Min 14	Min 2

Physical & Thermal Properties

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

Bulk Density (gr/cm³) 2.50-2.60

Apparent Porosity (%) 16-21

Cold Crushing Strength (kg/cm²) 500-700

Refractoriness (°C) 1830

Refractoriness Under Load (°C) 1420-1440

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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