



AZAR SHAHAB REFRACTORIES CO.



ARB-AI85

General Properties

Raw Material Basis..... Bauxite

Main Chemical Component

Al ₂ O ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)
Max 85	Min 9.5	Min 1.3

Physical & Thermal Properties

Reversible Thermal Expansion at 1000 °C (%) 0.70-0.80
Bulk Density (gr/cm³) 2.55-2.70
Apparent Porosity (%) 16-21
Cold Crushing Strength (kg/cm²) 550-750
Refractoriness (°C) 1860
Refractoriness Under Load (°C) 1440-1460
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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