



AZAR SHAHAB REFRACTORIES CO.

ARB-AI70

General Properties

Classification.....High Alumina Brick
Raw Material Basis..... Bauxite
Type of Bond.....Ceramic

Main Chemical Component

Al ₂ O ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)
70	23	2.2

Physical & Thermal Properties

Reversible Thermal Expansion at 1000 °C (%) 0.65-0.75
Bulk Density (gr/cm³) 2.50-2.60
Apparent Porosity (%) 16-20
Cold Crushing Strength (kg/cm²) 500-700
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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