



AZAR SHAHAB REFRACTORIES CO.

ARB-A180

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 (%)
79	14.5	2.2

Physical & Thermal Properties

Reversible Thermal Expansion at 1000 °C (%) 0.70-0.80
Bulk Density (gr/cm³) 2.65-2.75
Apparent Porosity (%) 16-20
Cold Crushing Strength (kg/cm²) 600-800
Refractoriness (°C) 1830
Refractoriness Under Load (°C) 1410-1430
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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