



AZAR SHAHAB REFRACTORIES CO.

ARB-AI75SP

General Properties

Raw Material Basis..... Bauxite

Main Chemical Component

Al ₂ O ₃ (%)	P ₂ O ₅ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)
Max 75	Max 3.5	Min 14	Min 2

Physical & Thermal Properties

Reversible Thermal Expansion at 1000 °C (%)	0.70-0.80
Bulk Density (gr/cm ³)	2.45-2.55
Apparent Porosity (%)	17-22
Cold Crushing Strength (kg/cm ²)	550-750
Refractoriness (°C)	1820
Refractoriness Under Load (°C)	1390-1410
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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