



AZAR SHAHAB REFRACTORIES CO.

ARB-AI70SP

General Properties

Raw Material Basis..... Bauxite

Main Chemical Component

Al ₂ O ₃ (%)	P ₂ O ₅ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)
Max 70	Max 3.5	Min 19	Min 2

Physical & Thermal Properties

Reversible Thermal Expansion at 1000 °C (%)	0.70-0.80
Bulk Density (gr/cm ³)	2.40-2.50
Apparent Porosity (%)	17-22
Cold Crushing Strength (kg/cm ²)	500-700
Refractoriness (°C)	1800
Refractoriness Under Load (°C)	1370-1390
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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