



AZAR SHAHAB REFRACTORIES CO.



ARB-AI80SP

General Properties

Raw Material Basis..... Bauxite

Main Chemical Component

Al ₂ O ₃ (%)	P ₂ O ₅ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)
Max 80	Max 3.5	Min 10.5	Min 2

Physical & Thermal Properties

Reversible Thermal Expansion at 1000 °C (%)	0.70-0.80
Bulk Density (gr/cm ³)	2.50-2.60
Apparent Porosity (%)	16-21
Cold Crushing Strength (kg/cm ²)	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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