



AZAR SHAHAB REFRACTORIES CO.

ARB-S40

General Properties

Classification..... Super Duty Fireclay Brick
Raw Material Basis..... Chamotte
Type of Bond..... Ceramic

Main Chemical Component

Al ₂ O ₃)%	SiO ₂)%	Fe ₂ O ₃)%
40	51.5	2

Physical & Thermal Properties

Reversible Thermal Expansion at 1000 °C (%)..... 0.60-0.70
Bulk Density (gr/cm³) 2.20-2.30
Apparent Porosity (%) 16-20
Cold Crushing Strength (kg/cm²) 350-450
Refractoriness (°C) 1700
Refractoriness Under Load (°C) 1320-1340
Thermal Shock at 1000 °C (cycle) 15-20

All data subject to reasonable deviation and therefore, should not be used for specification purposes.

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