



AZAR SHAHAB REFRACTORIES CO.

AR COIL COAT A50

General Properties

Classification..... Alumina Refractory
Description..... Special Refractory For Electric Arc Furnace
Raw Material Basis.....Bauxite
Bond.....Hydraulic
Installing Method..... Trowelling
Packaging.....25 kg net weight multi proof sacks
Storage Life (Month).....9
Grain Size (mm)..... Max 3

Main Chemical Component

Al ₂ O ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	CaO (%)
52	33	2	5.5

Physical & Thermal Properties

Maximum Service Temperature (°C)1375
Bulk Density at 110 °C (gr/cm³) 2.15-2.25
Cold Crushing Strength (kg/cm²)
 After Firing at 1000 °C 200-300
 After Firing at 1400 °C..... 200-300
Permanent Linear Change (%)
 After Drying at 110 °C (-0.2) to (0)
 After Firing at 1000 °C (-0.2) to (+0.2)

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

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