



## AZAR SHAHAB REFRACTORIES CO.

### AR COIL COAT A90

#### General Properties

**Classification**.....High Alumina Refractory  
**Description**..... Special Refractory For Electric Arc Furnace  
**Raw Material Basis**.....Tabular Alumina  
**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 <sub>2</sub> O <sub>3</sub> (%)	SiO <sub>2</sub> (%)	Fe <sub>2</sub> O <sub>3</sub> (%)	CaO (%)
89	6	0.7	3.5

#### Physical & Thermal Properties

**Maximum Service Temperature (°C)** .....1720  
**Bulk Density at 110 °C (gr/cm<sup>3</sup>)** ..... 2.60-2.80  
**Cold Crushing Strength (kg/cm<sup>2</sup>)**  
 After Firing at 1000 °C ..... 500-700  
 After Firing at 1400 °C..... 500-700  
**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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