



AZAR SHAHAB REFRACTORIES CO.

ARRAM A90

General Properties

Classification.....High Alumina Ramming Mix
Description..... Chemical & Ceramic Bonded Refractory Ramming Mix
Raw Material Basis..... Tabular Alumina
Bond..... Chemical & Ceramic
Installing Method..... Ramming
Grain Size (mm)..... Max 6

Main Chemical Component

Al ₂ O ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	CaO (%)
87	7	0.7	0.2

Physical & Thermal Properties

Maximum Service Temperature (°C)1800
Bulk Density at 1000 °C (gr/cm³)2.80-3.00
Cold Crushing Strength (kg/cm²)
After Firing at 1000 °C600-800
After Firing at 1500 °C.....700-900
Permanent Linear Change (%)
After Drying at 110 °C (-0.3) to (-0.1)
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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