



AZAR SHAHAB REFRACTORIES CO.

ARCAST A94LCC

General Properties

| | |
|-----------------------------------|---|
| Classification | High Alumina Castable |
| Description | Low Cement Hydraulic Bonded Refractory Castable |
| Raw Material Basis | Tabular Alumina |
| Bond | Hydraulic |
| Installing Method | Casting / Vibrating |
| Packaging | 25 kg net weight multi proof sacks |
| Storage Life (Month) | 9 |
| Grain Size (mm) | Max 6 |
| Water Required (%) | 4.5-6.5 |

Main Chemical Component

| Al ₂ O ₃ (%) | SiO ₂ (%) | Fe ₂ O ₃ (%) | CaO (%) |
|------------------------------------|----------------------|------------------------------------|---------|
| 94 | 4 | 0.1 | 1.6 |

Physical & Thermal Properties

| | |
|---|------------------|
| Maximum Service Temperature (°C) | 1860 |
| Bulk Density at 110 °C (gr/cm³) | 2.90-3.10 |
| Cold Crushing Strength (kg/cm²) | |
| After Drying at 110 °C | 850-1050 |
| After Firing at 1500 °C..... | 850-1050 |
| Permanent Linear Change (%) | |
| After Drying at 110 °C | Negligible |
| 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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