



ISO 9001:2008



AZAR SHAHAB REFRACTORIES CO. ARCAST A80MCC

General Properties

Classification.....High Alumina Castable
Description.....Medium Cement Hydraulic Bonded Refractory Castable
Raw Material Basis.....Bauxite
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 (%).....7-9

Main Chemical Component

| Al ₂ O ₃ (%) | SiO ₂ (%) | Fe ₂ O ₃ (%) | CaO (%) |
|------------------------------------|----------------------|------------------------------------|---------|
| 80 | 12 | 2 | 3 |

Physical & Thermal Properties

Maximum Service Temperature (°C)1680
Bulk Density at 110 °C (gr/cm³) 2.65-2.75
Cold Crushing Strength (kg/cm²)
 After Drying at 110 °C 600-800
 After Firing at 1400 °C..... 650-850
Permanent Linear Change (%)
 After Drying at 110 °CNegligible
 After Firing at 1000 °C (-0.3) to (+0.2)

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

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