



AZAR SHAHAB REFRACTORIES CO.

ARCAST A70LD

General Properties

| | |
|-----------------------------------|---|
| Classification | Insulating Castable |
| Description | Light Weight Hydraulic Bonded Refractory Castable |
| Raw Material Basis | Bauxite |
| Bond | Hydraulic |
| Installing Method | Casting / Vibrating |
| Packaging | 20 kg net weight multi proof sacks |
| Storage Life (Month) | 9 |
| Grain Size (mm) | Max 5 |
| Water Required (%) | 18-22 |

Main Chemical Component

| Al ₂ O ₃ (%) | SiO ₂ (%) | Fe ₂ O ₃ (%) | CaO (%) |
|------------------------------------|----------------------|------------------------------------|---------|
| 70 | 16.5 | 1.8 | 7 |

Physical & Thermal Properties

| | |
|---|------------------|
| Maximum Service Temperature (°C) | 1410 |
| Bulk Density at 1000°C (gr/cm³) | 1.60-1.80 |
| Cold Crushing Strength (kg/cm²) | |
| After Firing at 1000 °C | 35-55 |
| After Firing at 1350 °C..... | 60-80 |
| Permanent Linear Change (%) | |
| After Drying at 110 °C | (-0.3) to (-0.1) |
| After Firing at 1000 °C | (-1) to (-0.6) |

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

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