

AZAR SHAHAB REFRACTORIES CO.



ARCAST 30ET

General Properties

| | |
|----------------------------------|---|
| Classification | Insulating Castable |
| Description | Light Weight Hydraulic Bonded Castable |
| Raw Material Basis | Light Weight Aggregate |
| Installing Method | Trowelling |
| Packaging | 20 Kg net weight multi proof sacks |
| Storage (month) | 6 |
| Grain Size (mm) | 0 – 5 |
| Water For Troweling (%) | 85 - 95 |

Thermal and Physical Properties

| | |
|---|-----------------------|
| Limit Temperature (°c) | 1000 |
| Bulk Density at 110°c (gr/cm³) | 0.6 – 0.8 |
| Cold Crushing Strength (kg/cm²) | |
| After drying at 110 °c | 10 - 20 |
| After firing at 500 °c | 5 - 15 |
| Permanent Linear Change (%) | |
| After drying at 110 °c | Negligible |
| After firing at 500 °c | (-0.5 to +0.5) |
| Thermal Conductivity | |
| After firing at 810 °c | ≤ 0.17 |

Chemical Analysis

| | | |
|------------------------------------|-----|------------|
| AL₂O₃ | (%) | 30 |
| SiO₂ | (%) | 37 |
| TiO₂ | (%) | 1.3 |
| Fe₂O₃ | (%) | 7 |
| CaO | (%) | 20 |
| MgO | (%) | 2 |
| Alkalies | (%) | 2.7 |

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