



RASACAST A-17

Type of Product: High Alumina Dense Castable

Physical Properties:

| | |
|---|-------------|
| Raw material basis | bauxite |
| Max Service Temperature (°C) | 1650 |
| Dry castable required (Kg/m ³) | 2600 - 2700 |
| Approximate amount of water required (%) | 7.5 - 8.5 |
| Bulk density after drying at 110°C (Kg/m ³) | 2700 - 2800 |
| Grain size (mm) | 0 - 5 |

Thermomechanical Properties:

| | Cold Crushing Strength (Kg/Cm ²) | Modulus of Rupture (Kg/Cm ²) | Linear Change (%) |
|--------------------------|--|--|-------------------|
| After drying at 110 ° C | ≥ 800 | ≥ 85 | negligible |
| After heating at 1400° C | ≥ 950 | ≥ 100 | - 1.5 to -2.5 |

Chemical Analysis (%):

| Al ₂ O ₃ | SiO ₂ | Fe ₂ O ₃ | CaO |
|--------------------------------|------------------|--------------------------------|-----------|
| 83 - 86 | 5 - 7 | 1 - 1.5 | 3.8 - 4.3 |

Packing in 30 Kg Bags.

- All data subject to reasonable deviations, and therefore, should not be used for specification purposes.
- ASTM Test Methods, where applicable, used for determination of data.

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