



RASACAST A-18B

Type of Product: High Alumina Dense Castable

Physical Properties:

Raw material basis	Tabular Alumina & bauxite
Max Service Temperature (°C)	1750
Dry castable required (Kg/m ³)	2650 - 2750
Approximate amount of water required (%)	7.5 - 8.5
Bulk density after drying at 110°C (Kg/m ³)	2750 - 2850
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	≥ 700	≥ 65	negligible
After heating at 1475° C	≥ 650	≥ 60	- 0.7 to -1.5

Chemical Analysis (%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO
89 - 92	2 - 3	0.5 - 1	3.8 - 4.3

Packing in 25 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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