



## 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 <sup>3</sup> )	2650 - 2750
Approximate amount of water required (%)	7.5 - 8.5
Bulk density after drying at 110°C (Kg/m <sup>3</sup> )	2750 - 2850
Grain size (mm)	0 - 5

### Thermomechanical Properties:

	Cold Crushing Strength (Kg/Cm <sup>2</sup> )	Modulus of Rupture (Kg/Cm <sup>2</sup> )	Linear Change (%)
After drying at 110 ° C	≥ 800	≥ 85	negligible
After heating at 1475° C	≥ 650	≥ 70	- 0.7 to -1.5

### Chemical Analysis (%):

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO
88 - 91	3 - 3.6	1 - 1.5	4 - 5

### 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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