



## RASACAST Al-SiC/48-10

**Type of Product:** High Alumina SiC Dense Castable

### Physical Properties:

Raw material basis	Silicon carbide and fire clay
Max service temperature (°C)	1500
Dry castable required (Kg/m <sup>3</sup> )	2300 - 2400
Approximate amount of water required (%)	7.5 - 8
Bulk density after drying at 110°C (Kg/m <sup>3</sup> )	2400 - 2500
Grain size (mm)	0 - 4

### 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	≥ 700	≥ 65	negligible
After heating at 1400° C	≥ 750	≥ 65	-0.5 to -1

### Chemical Analysis (%):

SiC	Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO
9.5 - 10	47 - 50	33 - 36	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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