



RASACAST Al-SiC/60-12

Type of Product: High Alumina SiC Dense Castable

Physical Properties:

Raw material basis	Silicon carbide & Bauxite & low iron fire clay
Max service temperature (°C)	1600
Dry castable required (Kg/m ³)	2350 - 2450
Approximate amount of water required (%)	7.5 - 8.5
Bulk density after drying at 110°C (Kg/m ³)	2450 - 2550
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 1400° C	≥ 800	≥ 75	- 1 to -2

Chemical Analysis (%):

SiC	Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	CaO
11 - 12	57 - 60	19 - 23	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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