



## RASACAST LC-14

**Type of Product :** Fire Clay Low Iron Light Weight Castable

### Physical Properties:

Raw material basis	Light weight fire clay
Max Service Temperature (°C)	1400
Dry castable required (Kg/m <sup>3</sup> )	1450
Approximate amount of water required (liters/40 Kg)	11 - 13
Bulk density after drying at 110°C (Kg/m <sup>3</sup> )	1550
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	≥ 60	≥ 15	negligible
After heating at 1300° C	≥ 85	≥ 20	-1 to -0.4

### Thermal Conductivity (KCal/m.h.°C):

@ 400°C	0.45
@ 600°C	0.47
@ 800°C	0.51

### Chemical Analysis (%):

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	CaO	Na <sub>2</sub> O+K <sub>2</sub> O+LiO <sub>2</sub>
45.5	36.5	2	1.8	12	1.5

### Packing in 40 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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