



## RASACAST LC-12LI

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

### Physical Properties:

Raw material basis	Low iron light weight fire clay
Max Service Temperature (°C)	1200
Dry castable required (Kg/m <sup>3</sup> )	1100
Approximate amount of water required (liters/25 Kg)	10 - 11
Bulk density after drying at 110°C (Kg/m <sup>3</sup> )	1200
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	≥ 25	≥ 7	negligible
After heating at 1180° C	≥ 20	≥ 5	0.5 to -0.8

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

@ 400 °C	0.22
@ 600 °C	0.25
@ 800 °C	0.28

### Chemical Analysis (%):

Al <sub>2</sub> O	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>
38	42	2.2	2.2	11	2.5

### 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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