



RASACAST LC-12

Type of Product : Fire Clay Light Weight Castable

Physical Properties:

Raw material basis	Light weight fire clay
Max Service Temperature (°C)	1200
Dry castable required (Kg/m ³)	1100
Approximate amount of water required (liters/25 Kg)	8.5 - 10
Bulk density after drying at 110°C (Kg/m ³)	1200
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	≥ 30	≥ 10	negligible
After heating at 1200° C	≥ 35	≥ 18	- 0.8 to -0.2

Thermal Conductivity (KCal/m.h.°C):

@ 400°C	0.30
@ 600°C	0.33
@ 800°C	0.36

Chemical Analysis (%):

Al ₂ O	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	Na ₂ O+K ₂ O+LiO ₂
32	42	7	2.8	12.5	3.5

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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