



TECHNICAL DATA
FOR LIGHT WEIGHT CASTABLE



BRAND NAME :	NC12 - 14
RAW MATERIAL BASIS :	CHAMOTTE
PHYSICAL PROPERTIES :	
Maximum service temperature ,°C	1400
Dry castable required , Kg/m ³	1420
Approximate amount of water required for pouring , Liter /30Kg	6.3 – 7.8
Bulk density , Kg/m ³ after drying at 110°C	1490
Cold crushing strength , Kg/cm ² after drying at 110°C	50 – 80
after heating at 1320°C	50 – 75
Thermal conductivity , Kcal/h.m.°C at 400°C	0.52
600°C	0.53
800°C	0.55
Permanent Linear Change , % after heating at 1320°C	- 1.5 to +1.5
Grain size, mm	0 – 6

CHEMICAL ANALYSIS :
(calcined basis)

SiO ₂	43.0
Al ₂ O ₃	39.7
TiO ₂	2.0
Fe ₂ O ₃	2.8
CaO	10.8
Na ₂ O + K ₂ O + Li ₂ O	1.7

PACKING IN SACKS OF , Kg 30

The data are subject to reasonable variations and therefore should not be used for specification purposes .

ASTM Test Methods , where applicable , used for determination of data .

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