



TECHNICAL DATA

FOR LIGHT WEIGHT CASTABLE



BRAND NAME :	<u>NC12 - 13</u>
RAW MATERIAL BASIS :	CHAMOTTE
PHYSICAL PROPERTIES :	
Maximum service temperature ,°C	1300
Dry castable required , Kg/m ³	1400
Approximate amount of water required for pouring , Liter /30Kg	7.5 – 8.5
Bulk density , Kg/m ³ after drying at 110°C	1470
Cold crushing strength , Kg/cm ² after drying at 110°C	55 – 75
after heating at 1260°C	45 – 65
Thermal conductivity , Kcal/h.m.°C at 400°C	0.48
600°C	0.52
800°C	0.56
Permanent Linear Change , % after heating at 1260°C	-1.5 to 0.0
Grain size, mm	0 – 6

CHEMICAL ANALYSIS :

(calcined basis)

SiO ₂	37.5
Al ₂ O ₃	38.5
TiO ₂	2.6
Fe ₂ O ₃	6.7
CaO	12.3
Na ₂ O + K ₂ O + Li ₂ O	2.4

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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