



TECHNICAL DATA

FOR LIGHT WEIGHT CASTABLE



BRAND NAME : **NC12 - 10**
RAW MATERIAL BASIS : **CHAMOTTE**
PHYSICAL PROPERTIES :

Maximum service temperature ,°C	1000
Dry castable required , Kg/m ³	850
Approximate amount of water required for pouring , Liter /20Kg	8.2 – 10.2
Bulk density , Kg/m ³ after drying at 110°C	950
Cold crushing strength , Kg/cm ² after drying at 110°C	15 – 20
after heating at 815°C	10 – 15
Thermal conductivity , Kcal/h.m.°C at 400°C	0.32
600°C	0.35
800°C	0.38
Permanent Linear Change , % after heating at 815°C	- 1.5 to 0.0
Grain size, mm	0 – 6

CHEMICAL ANALYSIS :

(calcined basis)

SiO ₂	44.9
Al ₂ O ₃	33.2
TiO ₂	2.1
Fe ₂ O ₃	6.1
CaO	12.2
Na ₂ O + K ₂ O + Li ₂ O	1.5

PACKING IN SACKS OF , Kg 20

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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