



## TECHNICAL DATA

### FOR LIGHT WEIGHT CASTABLE

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

Maximum service temperature ,°C	1000
Dry castable required , Kg/m <sup>3</sup>	850
Approximate amount of water required for pouring , Liter /20Kg	8.2 – 10.2
Bulk density , Kg/m <sup>3</sup> after drying at 110°C	950
Cold crushing strength , Kg/cm <sup>2</sup> 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 <sub>2</sub>	44.9
Al <sub>2</sub> O <sub>3</sub>	33.2
TiO <sub>2</sub>	2.1
Fe <sub>2</sub> O <sub>3</sub>	6.1
CaO	12.2
Na <sub>2</sub> O + K <sub>2</sub> O + Li <sub>2</sub> 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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