



TECHNICAL DATA

FOR LIGHT WEIGHT CASTABLE



BRAND NAME :	NC12 - 12
RAW MATERIAL BASIS :	CHAMOTTE
PHYSICAL PROPERTIES :	
Maximum service temperature , °C	1200
Dry castable required , Kg/m ³	1150
Approximate amount of water required for pouring , Liter /25Kg	8.0 – 9.5
Bulk density , Kg/m ³ after drying at 110°C	1230
Cold crushing strength , Kg/cm ² after drying at 110°C	35 – 40
after heating at 1150°C	20 – 30
Thermal conductivity , Kcal/h.m.°C at 400°C	0.36
600°C	0.40
800°C	0.44
Permanent Linear Change , % after heating at 1150°C	-1.5 to 0.0
Grain size, mm	0 – 6

CHEMICAL ANALYSIS :

(calcined basis)

SiO ₂	42.9
Al ₂ O ₃	34.0
TiO ₂	2.3
Fe ₂ O ₃	6.5
CaO	12.0
Na ₂ O + K ₂ O + Li ₂ O	2.3

PACKING IN SACKS OF , Kg 25

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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