



TECHNICAL DATA

FOR DENSE CASTABLE – LCC



BRAND NAME :

NC21 – 18V/1

RAW MATERIAL BASIS :

TABULAR ALUMINA – BAUXITE

PHYSICAL PROPERTIES :

Maximum service temperature ,°C	1700
Dry gunning mix required , Kg/m ³	2900
Approximate amount of water required for pouring , Liter /30Kg	1.5 – 2.0
Bulk density , Kg/m ³ after drying at 110°C	3000
Cold crushing strength , Kg/cm ² after drying at 110°C	700 – 900
after heating at 1430°C	800 – 1400
Permanent Linear Change , % after heating at 1430°C	-1.5 to +1.5
Grain size, mm	0 – 5

CHEMICAL ANALYSIS :

(calcined basis)

SiO ₂	5.7
Al ₂ O ₃	90.0
TiO ₂	0.8
Fe ₂ O ₃	0.6
CaO	2.3
Na ₂ O + K ₂ O + Li ₂ O	0.6

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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