



TECHNICAL DATA

FOR DENSE CASTABLE – LCC



BRAND NAME :

NC21 - 16LVAL

RAW MATERIAL BASIS :

TABULAR ALUMINA - BAUXITE

PHYSICAL PROPERTIES :

Maximum service temperature ,°C	1450
Dry castable required , Kg/m ³	2850
Approximate amount of water required for pouring , Liter /25Kg	1.05 – 1.50
Bulk density , Kg/m ³ after drying at 110°C	2900
Cold crushing strength , Kg/cm ² after drying at 110°C	800 – 1000
after heating at 1300°C	800 – 1100
Permanent Linear Change , % after heating at 1300°C	- 1.5 to +1.5
Grain size, mm	0 – 6

CHEMICAL ANALYSIS :

(calcined basis)

SiO ₂	10.6
Al ₂ O ₃ + BaO	83.5
TiO ₂	1.6
Fe ₂ O ₃	1.3
CaO	2.3
Na ₂ O + K ₂ O + Li ₂ O	0.7

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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