



TECHNICAL DATA

FOR DENSE CASTABLE – LCC



BRAND NAME :

NC21 – 18ZRLV

RAW MATERIAL BASIS

TABULAR ALUMINA - ZIRCON

PHYSICAL PROPERTIES :

Maximum service temperature ,°C	1880
Dry castable required , Kg/m ³	3000
Approximate amount of water required for pouring , Liter /30Kg	1.1 – 1.4
Bulk density , Kg/m ³ after drying at 110°C	3100
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	2.5
Al ₂ O ₃	92.0
ZrO ₂	3.3
Fe ₂ O ₃	0.1
CaO	1.7
Na ₂ O + K ₂ O + Li ₂ O	0.4

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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