



TECHNICAL DATA
FOR DENSE CASTABLE



BRAND NAME :

NC21 - 18V

RAW MATERIAL BASIS :

TABULAR ALUMINA

PHYSICAL PROPERTIES :

Maximum service temperature , °C	1740
Dry castable required , Kg/m ³	3000
Approximate amount of water required for pouring , Liter /30Kg	1.4 – 1.7
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 1600°C	1000 – 1300
Permanent Linear Change , % after heating at 1600°C	-1.0 to +1.0
Grain size, mm	0 – 5

CHEMICAL ANALYSIS :

(calcined basis)

SiO ₂	3.8
Al ₂ O ₃	93.5
TiO ₂	0.1
Fe ₂ O ₃	0.1
CaO	2.0
Na ₂ O + K ₂ O + Li ₂ O	0.5

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 .

ES0100F02

260193F