



TECHNICAL DATA

FOR DENSE CASTABLE

\*\*\*\*\*



BRAND NAME :

NC21 – 18CR

RAW MATERIAL BASIS :

TABULAR ALUMINA

PHYSICAL PROPERTIES :

Maximum service temperature ,°C	1800
Dry castable required , Kg/m <sup>3</sup>	2670
Approximate amount of water required for pouring , Liter /30Kg	2.3 – 2.6
Bulk density , Kg/m <sup>3</sup> after drying at 110°C	2780
Cold crushing strength , Kg/cm <sup>2</sup> after drying at 110°C	500 – 700
after heating at 1600°C	600 – 800
Permanent Linear Change , % after heating at 1600°C	-1.0 to +1.0
Grain size, mm	0 – 5

CHEMICAL ANALYSIS :

(calcined basis)

SiO <sub>2</sub>	0.2
Al <sub>2</sub> O <sub>3</sub> +Cr <sub>2</sub> O <sub>3</sub>	94.5
TiO <sub>2</sub>	0.1
Fe <sub>2</sub> O <sub>3</sub>	0.1
CaO	4.6
Na <sub>2</sub> O + K <sub>2</sub> O + Li <sub>2</sub> 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

060801F