



TECHNICAL DATA  
FOR DENSE CASTABLE - LCC

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BRAND NAME :

NC21 - 18CRV

RAW MATERIAL BASIS :

TABULAR ALUMINA

PHYSICAL PROPERTIES :

Maximum service temperature ,°C	1740
Dry castable required , Kg/m <sup>3</sup>	3000
Approximate amount of water required for pouring , Liter /30Kg	1.4 – 1.7
Bulk density , Kg/m <sup>3</sup> after drying at 110°C	3100
Cold crushing strength , Kg/cm <sup>2</sup> 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 <sub>2</sub>	3.8
Al <sub>2</sub> O <sub>3</sub> +Cr <sub>2</sub> O <sub>3</sub>	93.5
TiO <sub>2</sub>	0.1
Fe <sub>2</sub> O <sub>3</sub>	0.1
CaO	2.0
Na <sub>2</sub> O + K <sub>2</sub> O + Li <sub>2</sub> O	0.5

PACKING IN SACKS OF , Kg

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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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