



TECHNICAL DATA  
FOR DENSE CASTABLE – LCC  
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BRAND NAME :

NC21 - 18LS

RAW MATERIAL BASIS :

TABULAR ALUMINA

PHYSICAL PROPERTIES :

|   |             |
|---|-------------|
| Maximum service temperature ,°C                                   | 1880        |
| Dry castable required , Kg/m <sup>3</sup>                         | 3050        |
| Approximate amount of water required for pouring , Liter /30Kg    | 1.45 – 1.55 |
| 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 | 450 – 600   |
| after heating at 1600°C   | 1000 – 1300 |

CHEMICAL ANALYSIS :

(calcined basis)

|  |      |
|--|------|
| SiO <sub>2</sub>   | 0.1  |
| Al <sub>2</sub> O <sub>3</sub>                           | 98.1 |
| Fe <sub>2</sub> O <sub>3</sub>                           | 0.1  |
| CaO  | 1.4  |
| Na <sub>2</sub> O + K <sub>2</sub> O + Li <sub>2</sub> O | 0.3  |

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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