



TECHNICAL DATA  
FOR DENSE CASTABLE



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|   |                     |
|---|---------------------|
| BRAND NAME :  | <b>NC21 - 18M</b>   |
| TYPE OF PRODUCT :   | <b>HIGH ALUMINA</b> |
| PHYSICAL PROPERTIES :   |                     |
| Maximum service temperature ,°C                                   | <b>1800</b>         |
| Dry castable required , Kg/m <sup>3</sup>                         | <b>2700</b>         |
| Approximate amount of water required for pouring , Liter /30Kg    | <b>2.7 – 3.0</b>    |
| Bulk density , Kg/m <sup>3</sup> after drying at 110°C            | <b>2750</b>         |
| Cold crushing strength , Kg/cm <sup>2</sup> after drying at 110°C | <b>300 – 500</b>    |
| after heating at 1600°C   | <b>300 – 500</b>    |

CHEMICAL ANALYSIS :

(calcined basis)

|  |             |
|--|-------------|
| SiO <sub>2</sub>   | <b>0.2</b>  |
| Al <sub>2</sub> O <sub>3</sub>                           | <b>95.3</b> |
| TiO <sub>2</sub>   | <b>0.1</b>  |
| Fe <sub>2</sub> O <sub>3</sub>                           | <b>0.1</b>  |
| CaO  | <b>3.8</b>  |
| Na <sub>2</sub> O + K <sub>2</sub> O + Li <sub>2</sub> O | <b>0.5</b>  |

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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