



TECHNICAL DATA

FOR DENSE CASTABLE

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|   |                   |
|---|-------------------|
| BRAND NAME :  | <u>NC21 - 16V</u> |
| RAW MATERIAL BASIS :  | CHAMOTTE          |
| PHYSICAL PROPERTIES :   |                   |
| Maximum service temperature , °C                                  | 1540              |
| Dry castable required , Kg/m <sup>3</sup>                         | 2240              |
| Approximate amount of water required for pouring , Liter /25Kg    | 2.1 – 2.5         |
| Bulk density , Kg/m <sup>3</sup> after drying at 110°C            | 2300              |
| Cold crushing strength , Kg/cm <sup>2</sup> after drying at 110°C | 400 – 600         |
| after heating at 1430°C   | 500 – 700         |
| Permanent Linear Change , % after heating at 1430°C               | -1.5 to +1.5      |
| Grain Size , mm   | 0 – 8             |

CHEMICAL ANALYSIS :

( calcined basis)

|  |      |
|--|------|
| SiO <sub>2</sub>   | 46.9 |
| Al <sub>2</sub> O <sub>3</sub>                           | 45.0 |
| TiO <sub>2</sub>   | 2.1  |
| Fe <sub>2</sub> O <sub>3</sub>                           | 1.8  |
| CaO  | 3.2  |
| Na <sub>2</sub> O + K <sub>2</sub> O + Li <sub>2</sub> O | 1.0  |

PACKING IN SACKS OF , Kg 25

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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