



TECHNICAL DATA

FOR DENSE CASTABLE – LCC

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BRAND NAME :

NC51 - 15AZLV

RAW MATERIAL BASIS : BAUXITE - ANDALUSITE - ZIRCON - SILICON CARBIDE

PHYSICAL PROPERTIES :

|   |             |
|---|-------------|
| Maximum service temperature ,°C                                   | 1600        |
| Dry castable required , Kg/m <sup>3</sup>                         | 2800        |
| Approximate amount of water required for pouring , Liter /25Kg    | 1.20 – 1.45 |
| Bulk density , Kg/m <sup>3</sup> after drying at 110°C            | 2850        |
| Cold crushing strength , Kg/cm <sup>2</sup> after drying at 110°C | 700 – 900   |
| after heating at 1430°C   | 700 – 900   |
| Permanent Linear Change , % after heating at 1430°C               | 0.0 to +1.0 |
| Grain size, mm  | 0 – 6       |

CHEMICAL ANALYSIS :

(calcined basis)

|  |      |
|--|------|
| SiC  | 11.9 |
| SiO <sub>2</sub>   | 24.6 |
| Al <sub>2</sub> O <sub>3</sub>                           | 48.2 |
| TiO <sub>2</sub>   | 1.5  |
| ZrO <sub>2</sub>   | 9.8  |
| Fe <sub>2</sub> O <sub>3</sub>                           | 1.4  |
| CaO  | 1.8  |
| Na <sub>2</sub> O + K <sub>2</sub> O + Li <sub>2</sub> O | 0.8  |

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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