



TECHNICAL DATA

FOR DENSE CASTABLE – LCC



BRAND NAME :

NC21 - 16LVAL

RAW MATERIAL BASIS :

TABULAR ALUMINA - BAUXITE

PHYSICAL PROPERTIES :

| | |
|---|---------------|
| Maximum service temperature ,°C | 1450 |
| Dry castable required , Kg/m ³ | 2850 |
| Approximate amount of water required for pouring , Liter /25Kg | 1.05 – 1.50 |
| Bulk density , Kg/m ³ after drying at 110°C | 2900 |
| Cold crushing strength , Kg/cm ² after drying at 110°C | 800 – 1000 |
| after heating at 1300°C | 800 – 1100 |
| Permanent Linear Change , % after heating at 1300°C | - 1.5 to +1.5 |
| Grain size, mm | 0 – 6 |

CHEMICAL ANALYSIS :

(calcined basis)

| | |
|--|------|
| SiO ₂ | 10.6 |
| Al ₂ O ₃ + BaO | 83.5 |
| TiO ₂ | 1.6 |
| Fe ₂ O ₃ | 1.3 |
| CaO | 2.3 |
| Na ₂ O + K ₂ O + Li ₂ O | 0.7 |

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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