



TECHNICAL DATA  
FOR DENSE GUNNING MIX - LCG  
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|---|-------------------|
| BRAND NAME :  | <u>NG21 - 17L</u> |
| RAW MATERIAL BASIS :  | BAUXITE           |
| PHYSICAL PROPERTIES :   |                   |
| Maximum service temperature ,°C                                   | 1550              |
| Dry gunning mix required , Kg/m <sup>3</sup>                      | 2360              |
| Approximate amount of water required for pouring , Liter /25Kg    | 2.4 – 3.0         |
| Bulk density , Kg/m <sup>3</sup> after drying at 110°C            | 2420              |
| Cold crushing strength , Kg/cm <sup>2</sup> after drying at 110°C | 200 – 350         |
| after heating at 1430°C   | 350 – 550         |
| Permanent Linear Change , % after heating at 1430°C               | -1.5 to +1.5      |
| Grain size, mm  | 0 – 5             |

CHEMICAL ANALYSIS :  
(calcined basis)

|  |      |
|--|------|
| SiO <sub>2</sub>   | 20.0 |
| Al <sub>2</sub> O <sub>3</sub>                           | 71.1 |
| TiO <sub>2</sub>   | 2.8  |
| 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 | 1.1  |

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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