



**TECHNICAL DATA**  
**FOR DENSE GUNNING MIX - LCG**  
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|                                                                   |                                   |
|-------------------------------------------------------------------|-----------------------------------|
| <b>BRAND NAME :</b>                                               | <b>NG51 - 13L</b>                 |
| <b>RAW MATERIAL BASIS :</b>                                       | <b>CHAMOTTE – SILICON CARBIDE</b> |
| <b>PHYSICAL PROPERTIES :</b>                                      |                                   |
| Maximum service temperature ,°C                                   | 1300                              |
| Dry gunning mix required , Kg/m <sup>3</sup>                      | 1900                              |
| Approximate amount of water required for pouring , Liter /25Kg    | 3.6 – 3.8                         |
| Bulk density , Kg/m <sup>3</sup> after drying at 110°C            | 2000                              |
| Cold crushing strength , Kg/cm <sup>2</sup> after drying at 110°C | 180 – 280                         |
| after heating at 1200°C                                           | 180 – 280                         |
| Permanent Linear Change , % after heating at 1200°C               | -1.5 to +1.5                      |
| Grain size, mm                                                    | 0 – 5                             |

**CHEMICAL ANALYSIS :**  
(calcined basis)

|                                                          |      |
|----------------------------------------------------------|------|
| SiC                                                      | 5.0  |
| SiO <sub>2</sub>                                         | 41.1 |
| Al <sub>2</sub> O <sub>3</sub>                           | 41.0 |
| TiO <sub>2</sub>                                         | 2.9  |
| Fe <sub>2</sub> O <sub>3</sub>                           | 3.6  |
| CaO                                                      | 5.6  |
| 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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