



TECHNICAL DATA  
FOR DENSE GUNNING MIX - LCG  
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BRAND NAME :	<b>NG51 - 14L</b>
RAW MATERIAL BASIS :	<b>CHAMOTTE – BAUXITE – SILICON CARBIDE</b>
PHYSICAL PROPERTIES :	
Maximum service temperature ,°C	<b>1450</b>
Dry gunning mix required , Kg/m <sup>3</sup>	<b>2190</b>
Approximate amount of water required for pouring , Liter /25Kg	<b>2.0 – 2.2</b>
Bulk density , Kg/m <sup>3</sup> after drying at 110°C	<b>2250</b>
Cold crushing strength , Kg/cm <sup>2</sup> after drying at 110°C	<b>300 – 450</b>
after heating at 1430°C	<b>600 – 800</b>
Permanent Linear Change , % after heating at 1430°C	<b>-1.5 to +1.5</b>
Grain size, mm	<b>0 – 5</b>

CHEMICAL ANALYSIS :  
(calcined basis)

SiC	<b>27.5</b>
SiO <sub>2</sub>	<b>33.2</b>
Al <sub>2</sub> O <sub>3</sub>	<b>32.8</b>
TiO <sub>2</sub>	<b>1.6</b>
Fe <sub>2</sub> O <sub>3</sub>	<b>1.5</b>
CaO	<b>2.4</b>
Na <sub>2</sub> O + K <sub>2</sub> O + Li <sub>2</sub> O	<b>1.0</b>

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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