



TECHNICAL DATA  
FOR DENSE GUNNING MIX  
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BRAND NAME :	NG51 – 14
RAW MATERIAL BASIS :	CHAMOTTE – BAUXITE – SILICON CARBIDE
PHYSICAL PROPERTIES :	
Maximum service temperature , °C	1450
Dry gunning mix required , Kg/m <sup>3</sup>	2200
Approximate amount of water required for pouring , Liter /25Kg	2.6 – 3.0
Bulk density , Kg/m <sup>3</sup> after drying at 110°C	2270
Cold crushing strength , Kg/cm <sup>2</sup> after drying at 110°C	250 – 350
after heating at 1200°C	300 – 400
Permanent Linear Change , % after heating at 1200°C	-1.0 to +1.0
Grain size, mm	0 – 6

CHEMICAL ANALYSIS :  
(calcined basis)

SiC	8.0
SiO <sub>2</sub>	29.7
Al <sub>2</sub> O <sub>3</sub>	52.0
TiO <sub>2</sub>	2.3
Fe <sub>2</sub> O <sub>3</sub>	1.9
CaO	5.0
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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