



TECHNICAL DATA
FOR DENSE GUNNING MIX



BRAND NAME : **NG51 - 14**
RAW MATERIAL BASIS : **CHAMOTTE – BAUXITE – SILICON CARBIDE**
PHYSICAL PROPERTIES :

Maximum service temperature , °C	1450
Dry gunning mix required , Kg/m ³	2200
Approximate amount of water required for pouring , Liter /25Kg	2.6 – 3.0
Bulk density , Kg/m ³ after drying at 110°C	2270
Cold crushing strength , Kg/cm ² 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 ₂	29.7
Al ₂ O ₃	52.0
TiO ₂	2.3
Fe ₂ O ₃	1.9
CaO	5.0
Na ₂ O + K ₂ O + Li ₂ 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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