



TECHNICAL DATA
FOR DENSE GUNNING MIX



BRAND NAME :	NG51 - 13
RAW MATERIAL BASIS :	CHAMOTTE – BAUXITE – SILICON CARBIDE
PHYSICAL PROPERTIES :	
Maximum service temperature , °C	1350
Dry gunning mix required , Kg/m ³	2200
Approximate amount of water required for pouring , Liter /25Kg	2.7 – 3.1
Bulk density , Kg/m ³ after drying at 110°C	2300
Cold crushing strength , Kg/cm ² after drying at 110°C	200 – 300
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	27.7
Al ₂ O ₃	51.0
TiO ₂	3.5
Fe ₂ O ₃	3.2
CaO	5.6
Na ₂ O + K ₂ O + Li ₂ O	1.0

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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