



TECHNICAL DATA
FOR DENSE GUNNING MIX - LCG



BRAND NAME :	NG51 - 16EXL
RAW MATERIAL BASIS :	BAUXITE – SILICON CARBIDE
PHYSICAL PROPERTIES :	
Maximum service temperature ,°C	1550
Dry gunning mix required , Kg/m ³	2300
Approximate amount of water required for pouring , Liter /25Kg	2.3 – 2.5
Bulk density , Kg/m ³ after drying at 110°C	2350
Cold crushing strength , Kg/cm ² after drying at 110°C	250 – 350
after heating at 1430°C	400 – 600
Permanent Linear Change , % after heating at 1430°C	-1.5 to +1.5
Grain size, mm	0 – 5

CHEMICAL ANALYSIS :
(calcined basis)

SiC	10.0
SiO ₂	17.7
Al ₂ O ₃	63.5
TiO ₂	2.4
Fe ₂ O ₃	2.0
CaO	3.4
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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