



TECHNICAL DATA

FOR DENSE GUNNING MIX - LCG

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BRAND NAME :

NG51 – 16EXL

RAW MATERIAL BASIS :

BAUXITE – SILICON CARBIDE

PHYSICAL PROPERTIES :

Maximum service temperature ,°C	1550
Dry gunning mix required , Kg/m <sup>3</sup>	2300
Approximate amount of water required for pouring , Liter /25Kg	2.3 – 2.5
Bulk density , Kg/m <sup>3</sup> after drying at 110°C	2350
Cold crushing strength , Kg/cm <sup>2</sup> 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 <sub>2</sub>	17.7
Al <sub>2</sub> O <sub>3</sub>	63.5
TiO <sub>2</sub>	2.4
Fe <sub>2</sub> O <sub>3</sub>	2.0
CaO	3.4
Na <sub>2</sub> O + K <sub>2</sub> O + Li <sub>2</sub> 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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