



TECHNICAL DATA

FOR DENSE GUNNING MIX - LCG

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BRAND NAME :	<u>NG51 – 15EXL</u>
RAW MATERIAL BASIS :	CHAMOTTE – BAUXITE – SILICON CARBIDE
PHYSICAL PROPERTIES :	
Maximum service temperature ,°C	1500
Dry gunning mix required , Kg/m <sup>3</sup>	2220
Approximate amount of water required for pouring , Liter /25Kg	2.5 – 2.9
Bulk density , Kg/m <sup>3</sup> after drying at 110°C	2280
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 0.0
Grain size, mm	0 – 5

CHEMICAL ANALYSIS :

(calcined basis)

SiC	5.0
SiO <sub>2</sub>	32.0
Al <sub>2</sub> O <sub>3</sub>	55.0
TiO <sub>2</sub>	2.1
Fe <sub>2</sub> O <sub>3</sub>	1.9
CaO	3.1
Na <sub>2</sub> O + K <sub>2</sub> O + Li <sub>2</sub> O	0.9

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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