



TECHNICAL DATA
FOR DENSE CASTABLE – LCC



BRAND NAME : **NC51 - 14EXLV**
RAW MATERIAL BASIS : **CHAMOTTE - BAUXITE - SILICON CARBIDE**
PHYSICAL PROPERTIES :

Maximum service temperature ,°C	1520
Dry castable required , Kg/m ³	2410
Approximate amount of water required for pouring , Liter /25Kg	1.40 – 1.55
Bulk density , Kg/m ³ after drying at 110°C	2460
Cold crushing strength , Kg/cm ² after drying at 110°C	600 – 800
after heating at 1430°C	700 – 900
Permanent Linear Change , % after heating at 1430°C	-1.0 to 0.0
Grain size, mm	0 – 6

CHEMICAL ANALYSIS :
(calcined basis)

SiC	33.7
SiO ₂	27.4
Al ₂ O ₃	33.1
TiO ₂	1.4
Fe ₂ O ₃	1.4
CaO	2.1
Na ₂ O + K ₂ O + Li ₂ 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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