



**TECHNICAL DATA
FOR DENSE CASTABLE – LCC**



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

Maximum service temperature ,°C	1500
Dry castable required , Kg/m ³	2460
Approximate amount of water required for pouring , Liter /25Kg	1.4 – 1.7
Bulk density , Kg/m ³ after drying at 110°C	2510
Cold crushing strength , Kg/cm ² after drying at 110°C	650 – 850
after heating at 1430°C	700 – 900
Permanent Linear Change , % after heating at 1430°C	-1.5 to 0.0
Grain size, mm	0 – 5

CHEMICAL ANALYSIS :
(calcined basis)

SiC	8.0
SiO ₂	33.0
Al ₂ O ₃	51.0
TiO ₂	2.2
Fe ₂ O ₃	2.1
CaO	2.7
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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