



TECHNICAL DATA
FOR DENSE CASTABLE – LCC



BRAND NAME :	<u>NC51 - 14LV</u>
RAW MATERIAL BASIS :	CHAMOTTE - BAUXITE - SILICON CARBIDE
PHYSICAL PROPERTIES :	
Maximum service temperature ,°C	1500
Dry castable required , Kg/m ³	2400
Approximate amount of water required for pouring , Liter /25Kg	1.3 – 1.6
Bulk density , Kg/m ³ after drying at 110°C	2450
Cold crushing strength , Kg/cm ² after drying at 110°C	700 – 900
after heating at 1430°C	700 – 900
Permanent Linear Change , % after heating at 1430°C	-1.5 to +1.0
Grain size, mm	0 – 5

CHEMICAL ANALYSIS :
(calcined basis)

SiC	27.5
SiO ₂	32.1
Al ₂ O ₃	34.0
TiO ₂	1.5
Fe ₂ O ₃	1.5
CaO	2.4
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 .

ES0100F02

(Preliminary Name: NE1 – 84)

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