



TECHNICAL DATA

FOR DENSE CASTABLE – LCC

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BRAND NAME :

NC51 - 15LV

RAW MATERIAL BASIS :

CHAMOTTE - BAUXITE - SILICON CARBIDE

PHYSICAL PROPERTIES :

Maximum service temperature ,°C	1550
Dry castable required , Kg/m <sup>3</sup>	2400
Approximate amount of water required for pouring , Liter /25Kg	1.4 – 1.6
Bulk density , Kg/m <sup>3</sup> after drying at 110°C	2450
Cold crushing strength , Kg/cm <sup>2</sup> after drying at 110°C	700 – 900
after heating at 1430°C	600 – 800
Permanent Linear Change , % after heating at 1430°C	-1.5 to +1.5
Grain size, mm	0 – 6

CHEMICAL ANALYSIS :

(calcind basis)

SiC	9.9
SiO <sub>2</sub>	34.7
Al <sub>2</sub> O <sub>3</sub>	48.0
TiO <sub>2</sub>	2.0
Fe <sub>2</sub> O <sub>3</sub>	1.8
CaO	2.5
Na <sub>2</sub> O + K <sub>2</sub> O + Li <sub>2</sub> O	1.1

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 – 91)

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