



TECHNICAL DATA



FOR DENSE CASTABLE – LCC

BRAND NAME : **NC51 – 15LV**
RAW MATERIAL BASIS : **BAUXITE - CHAMOTTE - SILICON CARBIDE**
PHYSICAL PROPERTIES :

Maximum service temperature ,°C	1500
Dry castable required , Kg/m ³	2500
Approximate amount of water required for pouring , Liter /25Kg	1.5 – 1.8
Bulk density , Kg/m ³ after drying at 110°C	2550
Cold crushing strength , Kg/cm ² after drying at 110°C	700 – 900
after heating at 1200°C	650 – 850
Permanent Linear Change , % after heating at 1200°C	-1.0 to +1.0
Grain size, mm	0 – 6

CHEMICAL ANALYSIS :

(calcined basis)

SiC	7.8
SiO ₂	27.7
Al ₂ O ₃	57.0
TiO ₂	2.1
Fe ₂ O ₃	1.7
CaO	2.8
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 .

ES0100F02

(Preliminary Name: NE1 – 91)

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