



TECHNICAL DATA

FOR DENSE CASTABLE – LCC



BRAND NAME : **NC51 - 17LV**
RAW MATERIAL BASIS : **TABULAR ALUMINA - SILICON CARBIDE**

PHYSICAL PROPERTIES :

Maximum service temperature , °C	1600
Dry castable required , Kg/m ³	2950
Approximate amount of water required for pouring , Liter /30Kg	1.1 – 1.4
Bulk density , Kg/m ³ after drying at 110°C	3000
Cold crushing strength , Kg/cm ² after drying at 110°C	600 – 800
after heating at 1550°C	700 – 900
Permanent Linear Change , % after heating at 1550°C	-1.5 to +1.5
Grain size, mm	0 – 6

CHEMICAL ANALYSIS :

(calcined basis)

SiC	29.3
SiO ₂	0.6
Al ₂ O ₃	67.3
Fe ₂ O ₃	0.1
CaO	2.0
Na ₂ O + K ₂ O + Li ₂ O	0.7

PACKING IN SACKS OF , Kg 30

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 – 85)

070102R3