



TECHNICAL DATA

FOR DENSE CASTABLE – LCC

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

Maximum service temperature ,°C	1600
Dry castable required , Kg/m <sup>3</sup>	2950
Approximate amount of water required for pouring , Liter /30Kg	1.1 – 1.4
Bulk density , Kg/m <sup>3</sup> after drying at 110°C	3000
Cold crushing strength , Kg/cm <sup>2</sup> 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 <sub>2</sub>	0.6
Al <sub>2</sub> O <sub>3</sub>	67.3
Fe <sub>2</sub> O <sub>3</sub>	0.1
CaO	2.0
Na <sub>2</sub> O + K <sub>2</sub> O + Li <sub>2</sub> 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)

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