



TECHNICAL DATA  
FOR DENSE CASTABLE – LCC  
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BRAND NAME :	<u>NC51 - 16LV</u>
RAW MATERIAL BASIS :	TABULAR ALUMINA - BAUXITE - SILICON CARBIDE
PHYSICAL PROPERTIES :	
Maximum service temperature , °C	1600
Dry castable required , Kg/m <sup>3</sup>	2750
Approximate amount of water required for pouring , Liter /25Kg	1.15 – 1.4
Bulk density , Kg/m <sup>3</sup> after drying at 110°C	2800
Cold crushing strength , Kg/cm <sup>2</sup> after drying at 110°C	700 – 1000
after heating at 1430°C	900 – 1200
Permanent Linear Change , % after heating at 1430°C	-1.5 to 0.0
Grain size, mm	0 – 6

CHEMICAL ANALYSIS :  
(calcined basis)

SiC	9.9
SiO <sub>2</sub>	9.5
Al <sub>2</sub> O <sub>3</sub>	75.0
TiO <sub>2</sub>	1.4
Fe <sub>2</sub> O <sub>3</sub>	1.0
CaO	2.4
Na <sub>2</sub> O + K <sub>2</sub> O + Li <sub>2</sub> O	0.8

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 .

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