



TECHNICAL DATA
FOR DENSE CASTABLE – LCC



BRAND NAME : NC51 - 16LV
RAW MATERIAL BASIS : TABULAR ALUMINA - BAUXITE - SILICON CARBIDE
PHYSICAL PROPERTIES :

Maximum service temperature ,°C	1600
Dry castable required , Kg/m ³	2750
Approximate amount of water required for pouring , Liter /30Kg	1.4 – 1.7
Bulk density , Kg/m ³ after drying at 110°C	2800
Cold crushing strength , Kg/cm ² after drying at 110°C	700 – 900
after heating at 1430°C	700 – 900
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 ₂	9.5
Al ₂ O ₃	75.0
TiO ₂	1.4
Fe ₂ O ₃	1.0
CaO	2.4
Na ₂ O + K ₂ O + Li ₂ O	0.8

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 .

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