



TECHNICAL DATA
FOR DENSE CASTABLE – LCC



BRAND NAME :	<u>NC51 – 16EXLV</u>
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 /25Kg	1.3 – 1.7
Bulk density , Kg/m ³ after drying at 110°C	3000
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	-1.0 to +1.0
Grain size, mm	0 – 6

CHEMICAL ANALYSIS :
(calcined basis)

SiC	8.0
SiO ₂	4.1
Al ₂ O ₃	85.0
TiO ₂	0.3
Fe ₂ O ₃	1.0
CaO	2.2
Na ₂ O + K ₂ O + Li ₂ O	0.4

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

191001F