



TECHNICAL DATA

FOR DENSE CASTABLE – LCC

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BRAND NAME :

NC51 - 15ANZRLV

RAW MATERIAL BASIS : BAUXITE - ANDALUSITE - ZIRCON - SILICON CARBIDE

PHYSICAL PROPERTIES :

Maximum service temperature ,°C	1600
Dry castable required , Kg/m <sup>3</sup>	2800
Approximate amount of water required for pouring , Liter /25Kg	1.20 – 1.45
Bulk density , Kg/m <sup>3</sup> after drying at 110°C	2850
Cold crushing strength , Kg/cm <sup>2</sup> after drying at 110°C	700 – 900
after heating at 1430°C	700 – 900
Permanent Linear Change , % after heating at 1430°C	0.0 to +1.0
Grain size, mm	0 – 6

CHEMICAL ANALYSIS :

(calcined basis)

SiC	11.9
SiO <sub>2</sub>	24.6
Al <sub>2</sub> O <sub>3</sub>	48.2
TiO <sub>2</sub>	1.5
ZrO <sub>2</sub>	9.8
Fe <sub>2</sub> O <sub>3</sub>	1.4
CaO	1.8
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 .

ES0100F02

(Preliminary Name: NC51 – 15AZLV)

180402R2