



TECHNICAL DATA  
FOR DENSE CASTABLE – LCC  
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BRAND NAME : NC51 - 14LVMO  
RAW MATERIAL BASIS : CHAMOTTE - BAUXITE - SILICON CARBIDE  
PHYSICAL PROPERTIES :

Maximum service temperature ,°C	1500
Dry castable required , Kg/m <sup>3</sup>	2460
Approximate amount of water required for pouring , Liter /25Kg	1.4 – 1.7
Bulk density , Kg/m <sup>3</sup> after drying at 110°C	2510
Cold crushing strength , Kg/cm <sup>2</sup> after drying at 110°C	650 – 850
after heating at 1430°C	700 – 900
Permanent Linear Change , % after heating at 1430°C	-1.5 to 0.0
Grain size, mm	0 – 5

CHEMICAL ANALYSIS :  
(calcined basis)

SiC	8.0
SiO <sub>2</sub>	33.0
Al <sub>2</sub> O <sub>3</sub>	51.0
TiO <sub>2</sub>	2.2
Fe <sub>2</sub> O <sub>3</sub>	2.1
CaO	2.7
Na <sub>2</sub> O + K <sub>2</sub> O + Li <sub>2</sub> O	1.0

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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