



TECHNICAL DATA  
FOR DENSE CASTABLE  
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BRAND NAME :

NC21 - 16EX

RAW MATERIAL BASIS :

CHAMOTTE - BAUXITE

PHYSICAL PROPERTIES :

Maximum service temperature , °C	1550
Dry castable required , Kg/m <sup>3</sup>	2370
Approximate amount of water required for pouring , Liter /25Kg	2.2 – 2.6
Bulk density , Kg/m <sup>3</sup> after drying at 110°C	2450
Cold crushing strength , Kg/cm <sup>2</sup> after drying at 110°C	450 – 650
after heating at 1430°C	400 – 600
Permanent Linear Change , % after heating at 1430°C	-1.5 to +1.5
Grain size, mm	0 – 8

CHEMICAL ANALYSIS :

(calcined basis)

SiO <sub>2</sub>	26.1
Al <sub>2</sub> O <sub>3</sub>	64.5
TiO <sub>2</sub>	2.3
Fe <sub>2</sub> O <sub>3</sub>	1.8
CaO	4.2
Na <sub>2</sub> O + K <sub>2</sub> O + Li <sub>2</sub> O	1.1

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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