



TECHNICAL DATA

FOR LIGHT WEIGHT GUNNING MIX



BRAND NAME :	NG12 - 14
RAW MATERIAL BASIS :	CHAMOTTE
PHYSICAL PROPERTIES :	
Maximum service temperature , °C	1370
Dry gunning mix required , Kg/m ³	1560
Approximate amount of water required for pouring , Liter /30Kg	5.4 – 7.2
Bulk density , Kg/m ³ after drying at 110°C	1680
Cold crushing strength , Kg/cm ² after drying at 110°C after heating at 1000°C	100 – 120 65 – 85
Thermal conductivity , Kcal/h.m. °c at 400°C	0.44
at 600°C	0.45
at 800°C	0.48
Permanent Linear Change , % After heating at 1000°C	-1.5 to 0.0
Grain Size, mm	0 – 3

CHEMICAL ANALYSIS :

(calcined basis)

SiO ₂	40.2
Al ₂ O ₃	44.0
TiO ₂	2.2
Fe ₂ O ₃	2.2
CaO	10.0
Na ₂ O+K ₂ O+Li ₂ O	1.4

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 .

ES0100F02

(Preliminary Name: NE1 – 86)

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