



TECHNICAL DATA

FOR LIGHT WEIGHT GUNNING MIX  
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BRAND NAME :	<b>NG12 - 14</b>
RAW MATERIAL BASIS :	<b>CHAMOTTE</b>
PHYSICAL PROPERTIES :	
Maximum service temperature , °C	<b>1370</b>
Dry gunning mix required , Kg/m <sup>3</sup>	<b>1560</b>
Approximate amount of water required for pouring , Liter /30Kg	<b>6.0 – 7.8</b>
Bulk density , Kg/m <sup>3</sup> after drying at 110°C	<b>1680</b>
Cold crushing strength , Kg/cm <sup>2</sup> after drying at 110°C	<b>50 – 80</b>
after heating at 1000°C	<b>50 – 80</b>
Thermal conductivity , Kcal/h.m. °c at 400°C	<b>0.44</b>
at 600°C	<b>0.45</b>
at 800°C	<b>0.48</b>
Permanent Linear Change , % After heating at 1000°C	<b>-1.5 to 0.0</b>
Grain Size, mm	<b>0 – 3</b>

CHEMICAL ANALYSIS :

(calcined basis)

SiO <sub>2</sub>	<b>41.1</b>
Al <sub>2</sub> O <sub>3</sub>	<b>43.0</b>
TiO <sub>2</sub>	<b>2.1</b>
Fe <sub>2</sub> O <sub>3</sub>	<b>2.3</b>
CaO	<b>10.1</b>
Na <sub>2</sub> O+K <sub>2</sub> O+Li <sub>2</sub> O	<b>1.4</b>

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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