

## ProGun LC 55G

ProGun LC 55G IS A 1650°C LOW CEMENT, ANDALUSITE CONTAINING GUN MIX WHICH IS IDEALLY GRAIN SIZED TO GIVE EXCELLENT GUNNABILITY, MINIMUM POROSITY AND LINEAR CHANGE WITH MAXIMUM DENSITY AND FIRED STRENGTHS. THIS PRODUCT IS DESIGNED TO WITHSTAND SEVERE HIGH TEMPERATURE ATMOSPHERIC, EROSIIVE AND CORROSIVE ENVIRONMENTS. TYPICAL DATA BASED ON GUNNED SAMPLES :

**MAXIMUM SERVICE TEMPERATURE (M.S.T.)** (1650°C)

**BULK DENSITY**

@ 927°C                                      132                      LBS/FT<sup>3</sup>                                      2114                      KG/M<sup>3</sup>

**COLD CRUSHING STRENGTH**

@ 540°C                                      7500 - 10000                      P.S.I.                                      525 - 700                                      KG/CM<sup>2</sup>  
 @ 927°C                                      7500 - 10000                      P.S.I.                                      525 - 700                                      KG/CM<sup>2</sup>

**COLD MODULUS OF RUPTURE**

@ 540°C                                      1200 - 1700                      P.S.I.                                      84 - 120                                      KG/CM<sup>2</sup>  
 @ 927°C                                      1200 - 1700                      P.S.I.                                      84 - 120                                      KG/CM<sup>2</sup>

**PERMANENT LINEAR CHANGE**

@ 927°C    - 0.10 TO - 0.30 %

**EROSION LOSS (ASTM C-704) @815°C    Less than 12.0cc**

**POROSITY**    @ 927°C    24 %

**CONDUCTIVITY OR "K" FACTOR**

	<u>BTU/FT<sup>2</sup>/HR/°F/IN</u>	<u>W/mK</u>
500°F (260°C)	7.50	1.07
1000°F (540°C)	7.30	1.03
1500°F (815°C)	7.40	1.07

**TYPICAL CHEMICAL ANALYSIS (%)**

<u>AL<sub>2</sub>O<sub>3</sub></u>	<u>SiO<sub>2</sub></u>	<u>Fe<sub>2</sub>O<sub>3</sub></u>	<u>CaO</u>	<u>MgO</u>	<u>TiO<sub>2</sub></u>	<u>ALK</u>
55.5	37.7	0.9	2.3	0.1	1.8	0.3

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