



# PRODUCT DATA

**Brand Name:** **PROGUN LC 30Z-GM**

**Description:** Low Cement 60% Alumina Gunning Mix containing Zircon for improved build-up resistance in the cyclone and precalciner in the cement industry. This gun mix features low rebounds and improved gunning characteristics.

**Maximum Service Temperature** ..... **3000°F (1650°C)**

**Typical Water Required for Mixing :**  
For Predampening ..... **2 to 3%**

<b><u>Bulk Density (lb/ft<sup>3</sup>)</u></b>		
After 230°F (105°C)	<b>142</b>	<b>(2272 kg/m<sup>3</sup>)</b>
After 1500°F (815°C)	<b>138</b>	<b>(2208 kg/m<sup>3</sup>)</b>

<b><u>Modulus of Rupture (lb/in<sup>2</sup>)</u></b>		
After 230°F (105°C)	<b>743</b>	<b>(52 kg/cm<sup>2</sup>)</b>
After 1500°F (815°C)	<b>918</b>	<b>(64 kg/cm<sup>2</sup>)</b>

<b><u>Cold Crush Strength (lb/in<sup>2</sup>)</u></b>		
After 1500°F (815°C)	<b>7,750</b>	<b>(540 kg/cm<sup>2</sup>)</b>

<b><u>Permanent Linear Change (%)</u></b>	
After 1500°F (815 °C)	<b>-0.3</b>

<b><u>Typical Chemical Analysis (%)</u></b>	
Al <sub>2</sub> O <sub>3</sub> .....	<b>56.3 %</b>
SiO <sub>2</sub> .....	<b>33.7</b>
ZrO <sub>2</sub> .....	<b>4.0</b>
Fe <sub>2</sub> O <sub>3</sub> .....	<b>0.9</b>
TiO <sub>2</sub> .....	<b>1.8</b>
CaO .....	<b>2.8</b>
Alkalies .....	<b>0.5</b>

**Standard Packaging:** **55 lb. bags, 72 bags per pallet**

The properties shown on this data sheet represent typical average results generated using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

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