



# PRODUCT DATA

**Brand Name:**

**PROGUN® LC 30GM**

**Description:** ProGUN® LC 30GM is a very refractory, low cement gunning mix targeted for general service to 3000°F

Physical properties shown are average values of samples taken under controlled conditions  
ASTM test methods used where applicable

**Maximum Service Temperature: 3000°F (1649°C)**

**Dry Material Required per Cubic Foot : 142 lbs. (approximate)**

**Bulk Density (pcf)**

	Gun Data	
After 220°F (104°C)	142 - 147	(2.27 - 2.35 g/cm <sup>3</sup> )
After 1500°F (815°C)	139 - 144	(2.23 - 2.31 g/cm <sup>3</sup> )
After 2910°F (1600°C)	131 - 135	(2.10 - 2.16 g/cm <sup>3</sup> )

**Cold Crushing Strength (psi)**

After 220°F (104°C)	8000 - 10000	(560 - 700 kg/cm <sup>2</sup> )
After 1500°F (815°C)	4000 - 6000	(280 - 420 kg/cm <sup>2</sup> )
After 2910°F (1600°C)	14500 - 18000	(1015 - 1260 kg/cm <sup>2</sup> )

**Modulus of Rupture (psi)**

After 220°F (104°C)	1200 - 1600	(84 - 112 kg/cm <sup>2</sup> )
After 1500°F (815°C)	1100 - 1500	(77 - 105 kg/cm <sup>2</sup> )
After 2910°F (1600°C)	1800 - 2200	(126 - 154 kg/cm <sup>2</sup> )

**Apparent Porosity (%)**

1500°F (815°C)	11 - 15
2000°F (1093°C)	18 - 21
After 2910°F (1600°C)	6 - 10

**Permanent Linear Change (%)**

After 1500°F (815°C)	-0.4 to 0.0
After 2910°F (1600°C)	0.0 to +1.3

**Typical Chemical Analysis (%)**

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	59.0
Silica (SiO <sub>2</sub> ) .....	33.5
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	1.2
Titania (TiO <sub>2</sub> ) .....	2.0
Magnesia (MgO) .....	0.4
Lime (CaO) .....	2.4
Alkalies (Na <sub>2</sub> O+K <sub>2</sub> O) .....	1.5

**Standard Packaging:** 55 lb bag. 72 bags per pallet. Bulk packaging available.

Brand Code: 0950

The properties shown on this data sheet represent typical average results 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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