



PRODUCT DATA

Brand Name: **PROGUN® LC 28GM**

Description: ProGUN® LC 28GM is a very refractory, low cement gunning mix targeted for general service to 2800°F

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

Maximum Service Temperature: 2800°F (1538°C)

Dry Material Required per Cubic Foot : 134 lbs. (approximate)

Bulk Density (pcf)

	Gun Data	
After 220°F (104°C)	132 - 136	(2.11 - 2.18 g/cm ³)
After 1500°F (815°C)	132 - 135	(2.11 - 2.16 g/cm ³)
After 2500°F (1371°C)	132 - 136	(2.11 - 2.18 g/cm ³)

Cold Crushing Strength (psi)

After 220°F (104°C)	6000 - 8000	(420 - 560 kg/cm ²)
After 1500°F (815°C)	6000 - 8000	(420 - 560 kg/cm ²)
After 2500°F (1371°C)	7000 - 9000	(490 - 630 kg/cm ²)

Modulus of Rupture (psi)

After 220°F (104°C)	1000 - 1600	(70 - 112 kg/cm ²)
After 1500°F (815°C)	1200 - 1800	(84 - 126 kg/cm ²)
After 2500°F (1371°C)	1000 - 1600	(70 - 112 kg/cm ²)

Thermal Conductivity (K Factor)

Mean Temperature	BTU/ft ² /hr./°F/inch	W/mK
1500°F (815°C)	9.5	1.37
2000°F (1093°C)	10.5	1.51
2500°F (1371°C)	10.8	1.57

Permanent Linear Change (%)

After 1500°F (815°C)	-0.5 to -0.1
After 2500°F (1371°C)	-0.5 to -0.1

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	46.6
Silica (SiO ₂)	46.3
Iron Oxide (Fe ₂ O ₃)	1.1
Titania (TiO ₂)	1.6
Magnesia (MgO)	0.5
Lime (CaO)	2.4
Alkalies (Na ₂ O+K ₂ O)	1.5

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

Brand Code: 0947

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.

RESCO PRODUCTS disclaims any express or implied warranties based on this sheet.

2/28/17 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet.