



Low Cement Gun Mix

Product Data

ProGun LC 70G

ProGun LC 70G is a 3200°F, low-cement gun mix that offers excellent resistance to alkalis. This product is designed to give minimum porosity and low linear change with maximum density and high fired strengths, and can withstand severe high temperature erosive and corrosive environments. Data shown are average results of tests following the guidelines set forth in ASTM C-903 "Preparing Refractory Concrete Specimens by Cold Gunning".

Maximum Service Temperature: 3200°F (1760°C)

Bulk Density:

220°F (105°C) 160 lb/ft³ (2560 kg/m³)
1500°F (815°C) 155 lb/ft³ (2480 kg/m³)

Cold Crushing Strength:

1500°F (815°C) 10000-14000 psi (700- 980 kg/cm²)
2500°F (1370°C) 12000-16000 psi (840-1120 kg/cm²)
2910°F (1600°C) 10000-14000 psi (700- 980 kg/cm²)

Modulus of Rupture:

1500°F (815°C) 1800-2300 psi (126-161 kg/cm²)
2500°F (1370°C) 2200-2600 psi (156-182 kg/cm²)
2910°F (1600°C) 1800-2200 psi (126-154 kg/cm²)

Erosion Loss:

1500°F (815°C) Less than 10 cc
(Typical loss: 6-8 cc)

Permanent Linear Change(%):

1500°F (815°C) -0.1 to -0.4
2500°F (1370°C) -0.1 to -0.3
2910°F (1600°C) +1.05 to +1.8

Thermal Conductivity or "K" Factor:

Mean Temp.	BTU/ft ² /HR/°F/in	W/mK
1000°F (540°C)	11.0	1.59
1500°F (815°C)	10.0	1.44
2000°F (1095°C)	10.0	1.44

Typical Chemical Analysis(%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	Other
72.6	21.6	1.2	2.5	1.5	0.6

Standard Packaging: 72-55 lb. 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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