



General Duty Gun Mix

Product Data

ProGun 17G

ProGun 17G is a high temperature, high purity castable providing high strength and erosion resistance throughout its entire temperature range. **ProGun 17G** has been formulated for gunite application with minimum rebound losses and uniform flow to the nozzle. Data shown are average results of tests following the guidelines set forth in ASTM C-903-70, "Preparing Refractory Concrete Specimens by Cold Gunning".

Maximum Service Temperature: 3000°F (1650°C)

Bulk Density: 135-145 lb/ft³ (2160-2320 kg/m³)

Cold Crushing Strength:

1500°F (815°C)	6000-10000 psi (420-700 kg/cm ²)
2500°F (1370°C)	6000-10000 psi (420-700 kg/cm ²)
2750°F (1510°C)	7000-11000 psi (490-770 kg/cm ²)

Modulus of Rupture:

1500°F (815°C)	800-1200 psi (56-84 kg/cm ²)
2500°F (1370°C)	800-1200 psi (56-84 kg/cm ²)
2750°F (1510°C)	1000-1400 psi (70-98 kg/cm ²)

Permanent Linear Change(%):

1500°F (815°C)	0.0 to -0.3
2000°F (1095°C)	0.0 to -0.3
2500°F (1370°C)	-0.3 to -1.0
2750°F (1510°C)	-0.5 to -1.2

Erosion Loss : ASTM C-704 Less than 15.0 cc

Thermal Conductivity or "K" Factor:

Mean Temp.	BTU/ft ² /Hr/°F/in	W/mK
1000°F (540°C)	7.80	1.12
1500°F (815°C)	8.10	1.17
2000°F (1095°C)	8.20	1.18

Typical Chemical Analysis(%):

Al ₂ O ₃	SiO ₂	Fe ₂ O ₃	TiO ₂	CaO	MgO	Alkalies
53.2	40.2	0.7	0.2	4.3	1.2	0.2

Standard Packaging: 72 - 55 lb. bags per pallet

CAST DATA ON BACK OF PAGE

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ProGun 17G is a gunning grade material that has been cast in the laboratory as a means of testing and controlling the quality of the product. It is not recommended that the material be applied in the field by casting application methods. Test results shown below are typical of laboratory cast specimens only.

CAST DATA

Maximum Service Temperature: 3000°F (1650°C)

Bulk Density:
1500°F (815°C) 133 lb/ft³ (2128 kg/m³)

Cold Crushing Strength:

1500°F (815°C) 7000-10000 psi (490-700 kg/cm²)
2500°F (1370°C) 8000-11000 psi (560-770 kg/cm²)
2750°F (1510°C) 8000-11000 psi (560-770 kg/cm²)

Modulus of Rupture:

1500°F (815°C) 1300-1600 psi (91-112 kg/cm²)
2500°F (1370°C) 1500-1800 psi (105-126 kg/cm²)
2750°F (1510°C) 1700-2000 psi (119-140 kg/cm²)

Erosion Loss : ASTM C-704 Less than 14.0 cc

Permanent Linear Change(%):

1500°F (815°C) 0.0 to -0.3
2000°F (1095°C) 0.0 to -0.3
2500°F (1370°C) -0.3 to -1.0
2750°F (1510°C) -0.5 to -1.2

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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