



PRODUCT DATA

Brand Name:

PROGUN® LC FS-6

Description: ProGun LC FS-6 is a low cement, fused silica gun mix that offers high strength, very good resistance to abrasion, and low reversible thermal expansion. **A water booster pump is recommended for proper installation.**

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

Maximum Service Temperature: 2000°F (1095°C)

Bulk Density (pcf)

After 220°F (104°C)
After 1500°F (815°C)

Gun Data

124 (1.98 g/cm³)
120 (1.92 g/cm³)

Cold Crushing Strength (psi)

After 1500°F (815°C)
After 2500°F (1372°C)

8000 - 11000 (560 - 770 kg/cm²)
7000 - 10000 (490 - 700 kg/cm²)

Modulus of Rupture (psi)

After 1500°F (815°C)
After 2000°F (1095°C)

1300 - 1700 (91 - 119 kg/cm²)
1300 - 1700 (91 - 119 kg/cm²)

Thermal Conductivity (K Factor)

Mean Temperature
500°F (260°C)
1000°F (540°C)
1500°F (815°C)

BTU/ft²/hr./°F/inch
5.6
6.4
6.9

W/mK
0.81
0.92
0.99

Permanent Linear Change (%)

After 1500°F (815°C)
After 2000°F (1095°C)

0.0 to -0.3
0.0 to -0.3

Abrasion Loss (using ASTM C-704 Method)

After 1500°F (815°C)

15 cc (Max)

Apparent Porosity

23% (typical)

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	21.2
Silica (SiO ₂)	76.4
Iron Oxide (Fe ₂ O ₃)	0.3
Titania (TiO ₂)	0.2
Lime (CaO)	1.7
Other	0.2

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

Brand Code: 0428

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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