



PRODUCT DATA

Brand Name: **PROGUN® 26LI**

Description: ProGUN® 26-LI is a conventional mix with less than 2% iron offering excellent performance in service temperatures up to 2600°F

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

Maximum Service Temperature: 2600°F (1427°C)

Dry Material Required per Cubic Foot : 125 - 133 lbs. (approximate)

<u>Bulk Density (pcf)</u>	<u>Gunning Data</u>	
After 220°F (104°C)	129 - 139	(2.79 - 2.95 g/cm ³)
After 1500°F (815°C)	123 - 133	(2.92 - 3.01 g/cm ³)
After 2500°F (1371°C)	120 - 130	(2.87 - 2.96 g/cm ³)
<u>Cold Crushing Strength (psi)</u>		
After 220°F (104°C)	5000 - 8000	(231 - 721 kg/cm ²)
After 1500°F (815°C)	1500 - 4500	(406 - 826 kg/cm ²)
After 2500°F (1371°C)	3000 - 6000	(798 - 1218 kg/cm ²)
<u>Modulus of Rupture (psi)</u>		
After 220°F (104°C)	850 - 1850	(63 - 133 kg/cm ²)
After 1500°F (815°C)	400 - 1000	(77 - 147 kg/cm ²)
After 2500°F (1371°C)	1000 - 1800	(84 - 154 kg/cm ²)
<u>Thermal Conductivity (K Factor)</u>		
Mean Temperature	<u>BTU/ft²/hr./°F/inch</u>	<u>W/mK</u>
1500°F (815°C)	7.7	1.11
2000°F (1093°C)	8.3	1.20
2500°F (1371°C)	8.3	1.20
<u>Permanent Linear Change (%)</u>		
After 1500°F (815°C)	-04 to 0.3	
After 2500°F (1371°C)	-0.3 to 0.7	

Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al ₂ O ₃)	44.9
Silica (SiO ₂)	42.8
Iron Oxide (Fe ₂ O ₃)	1.3
Titania (TiO ₂)	1.8
Magnesia (MgO)	0.4
Lime (CaO)	7.7
Alkalies (Na ₂ O+K ₂ O)	1.1

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

Brand Code: 1042

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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