

G-7

Glass Silicone

MIL-I-24768/17 / Type GSG



Physical Data

Specific Gravity	1.78
Tensile Strength	18,000 psi
Compressive Strength	45,000 psi
Flexural Strength	25,000 psi
Hardness - M Scale	105
Bond Strength	900 psi
Shear Strength	17,000 psi
Flammability Rating	94V-0
Maximum Operating Temperature	428°F
Thermal Expansion Coefficient °C (x 10 ⁻⁵)	1.00
Water Absorption (24 Hours)	0.20
Izod Impact Strength (at 49°C -LW)	6.50

Product Info

G-7 is a high-performance silicone resin and woven fiberglass substrate laminate sheet. It qualifies for NEMA G-7 and MIL-I-24768/17 requirements.

Available in rods, tubes, and sheets in various dimensions, lengths, diameters and thicknesses.

Capabilities

- High heat resistance
- Low dissipation factor
- Arc resistance
- Flame resistance
- Low smoke evolution
- Meets Class "H" insulation requirements

Electrical Data

Dissipation Factor - 106 cycles Condition A	0.003
Dielectric Constant - 106 cycles Condition A	4.20
Electric Strength V/MIL Condition A	400
Dielectric Breakdown - A	—
Permittivity - A	—

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