

G-9

Glass Phenolic

MIL-I-24768/1 / Type GBE



Physical Data

Specific Gravity	1.85
Tensile Strength	39,000 psi
Compressive Strength	70,000 psi
Flexural Strength	55,000 psi
Hardness - M Scale	115
Bond Strength	1,900 psi
Shear Strength	18,000 psi
Flammability Rating	94V-0
Maximum Operating Temperature	284°F
Thermal Expansion Coefficient °C (x 10 ⁻⁵)	1.50
Water Absorption (24 Hours)	0.60
Izod Impact Strength (at 49°C -LW)	12.50

Product Info

G-9 is a flame-retardant glass melamine laminate sheet composed of melamine resin and woven fiberglass substrate. It qualifies to MIL-I-24768/1 under NEMA G9.

G-9 is available in rods, tubes, and sheets in various dimensions, lengths, diameters and thicknesses.

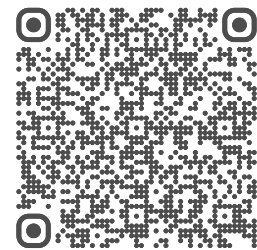
Capabilities

- High strength
- Arc resistance
- Electrical insulation
- Mechanical support
- Class "B" insulation

Electrical Data

Dissipation Factor - 106 cycles Condition A	0.015
Dielectric Constant - 106 cycles Condition A	7.00
Electric Strength V/MIL Condition A	450
Dielectric Breakdown A	—
Permittivity - A	—

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