

G-5

Glass Melamine

MIL-I-24768/8 / Type GBE



Physical Data

Specific Gravity	1.78
Tensile Strength	61,600 psi
Compressive Strength	65,000 psi
Flexural Strength	61,000 psi
Hardness - M Scale	115
Bond Strength	1,900 psi
Shear Strength	17,000 psi
Flammability Rating	94V-0
Maximum Operating Temperature	285°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

Electrical Data

Dissipation Factor - 106 cycles Condition A	0.015
Dielectric Constant - 106 cycles Condition A	4.20
Electric Strength V/MIL Condition A	300
Dielectric Breakdown - A	—
Permittivity - A	—

Product Info

G-5 is a high-heat resistant melamine resin and woven fiberglass substrate laminate sheet. It qualifies for NEMA G-5 and MIL-I-24768/8 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
- Perfect for outdoor applications

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