

G-10

Glass Epoxy

MIL-I-24768/2 / Type GEE



Physical Data

Specific Gravity	1.80
Tensile Strength	40,000 psi
Compressive Strength	65,000 psi
Flexural Strength	75,000 psi
Hardness - M Scale	110
Bond Strength	2,200 psi
Shear Strength	19,000 psi
Flammability Rating	94HB
Maximum Operating Temperature	284°F
Thermal Expansion Coefficient °C (x 10 ⁻⁵)	1.00
Water Absorption (24 Hours)	0.11
Izod Impact Strength (at 49°C -LW)	14.00

Product Info

G-10 is a halogen-free epoxy resin and woven fiberglass substrate laminate sheet. It qualifies for NEMA G10 and MIL-I-24768/2 requirements.

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

Capabilities

- High mechanical strength
- Electrical insulation in dry and humid environments
- Ease of fabrication
- Versatile for electrical and mechanical applications

Electrical Data

Dissipation Factor - 106 cycles Condition A	0.020
Dielectric Constant - 106 cycles Condition A	5.00
Electric Strength V/MIL Condition A	800
Dielectric Breakdown - A	—
Permittivity - A	—

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