

PHYSICAL DATA

IMPERIAL

METRIC

Specific Gravity	1.85	—
Tensile Strength	39,000 psi	269 MPa
Compressive Strength	70,000 psi	483 MPa
Flexural Strength	55,000 psi	379 MPa
Hardness - M Scale	115	—
Bond Strength	1,900 psi	13 MPa
Shear Strength	18,000 psi	124 MPa
Flammability Rating	94V-0	—
Maximum Operating Temperature	284°F	140°C
Coefficient of Thermal Expansion °C (x 10-5)	1.50	—
Water Absorption - 24 hours	0.60	—
Izod Impact Strength @ 49°C -LW	12.50	—

ELECTRICAL DATA

IMPERIAL

METRIC

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	—	—

Atlas Fibre LLC provides this data as information only and does not imply any warranty for its use or application. Test data for an individual batch or product must be requested specifically and agreed to in writing and is available for a fee.

PRODUCT DESCRIPTION

Laminate sheet comprised of flame retardant melamine resin and a woven fiberglass glass substrate. It qualifies to NEMA G9 and MIL-I-24768/1.

High strength, excellent arc resistance, and electrical insulating properties allows G9 to be used as a mechanical support in electrical equipment, switchgear, and slot wedges where Class "B" insulation is required.

AVAILABLE FORMS & STOCK SIZES

G9 is stocked in sheet (0.010"-4.000" thick, up to 48" x 96"), rod (Ø 0.062"-6.000") and tube (Ø 0.250"-12.000" ID) in lengths to 48", and is supplied as precision blanks or CNC routed and Swiss-turned machined components.

CERTIFIED & TRACEABLE

Conforms to NEMA G9 specifications. Batch test data ships with every order, verified annually by independent third-party lab assessment. No cut-to-size or sanding minimums.



TYPICAL APPLICATIONS

- › Mechanical supports in electrical equipment
- › Switchgear and arc barriers
- › Rotor slot wedges
- › Class B insulation components
- › Terminal boards and standoffs

REQUEST A QUOTE

Stock Material. Precision Parts.

G9 is available from stock, cut to size or precision machined to your specifications. Request a quote or call 847-674-1234 to connect with an Atlas Fibre representative.

atlasfibre.com/
material/g9

