AtlasFibre

CANVAS PHENOLIC

C

MIL-I-24768/16 · TYPE FBM

PHYSICAL DATA

	IMPERIAL	METRIC
Specific Gravity	1.35	–
Tensile Strength	11,200 psi	77 MPa
Compressive Strength	37,000 psi	255 MPa
Flexural Strength	22,000 psi	151 MPa
Hardness - M Scale	103	–
Bond Strength	2,000 psi	14 MPa
Shear Strength	14,000 psi	96 MPa
Flammability Rating	94HB	–
Maximum Operating Temperature	257°F	125°C
Coefficient of Thermal Expansion °C (x 10-5)	1.10	–
Water Absorption - 24 hours	1.60	–
Izod Impact Strength @ 49°C -LW	1.95	–

ELECTRICAL DATA

	IMPERIAL	METRIC
Dissipation Factor - 106 cycles Condition A	–	–
Dielectric Constant - 106 cycles Condition A	–	–
Electric Strength V/MIL Condition A	–	–
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

Canvas Phenolic (C) is a laminate sheet comprised of a phenolic resin binder and woven canvas (cotton) substrate. It qualifies to NEMA C and MIL-I-24768/16.

With high mechanical strength and exceptional electrical insulation properties in dry or humid environments, this material is versatile for various electrical and mechanical applications due to its ease of fabrication.

AVAILABLE FORMS & STOCK SIZES

C is stocked in sheet (0.010"–4.000" thick, up to 48" × 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 C 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

- Heavy-duty gears and sprockets
- Bushings, bearings and wear blocks
- Structural mechanical supports
- Insulating pads and spacers
- Machined industrial components

REQUEST A QUOTE

Stock Material. Precision Parts.

C 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/c