

# C

## Glass Phenolic

MIL-I-24768/16 / Type FBM



### Physical Data

|  |            |
|--|------------|
| Specific Gravity                                       | 1.35       |
| Tensile Strength                                       | 11,200 psi |
| Compressive Strength                                   | 37,200 psi |
| Flexural Strength                                      | 22,000 psi |
| Hardness - M Scale                                     | 103        |
| Bond Strength  | 2,000 psi  |
| Shear Strength   | 14,000 psi |
| Flammability Rating                                    | 94HB       |
| Maximum Operating Temperature                          | 257°F      |
| Thermal Expansion Coefficient °C (x 10 <sup>-5</sup> ) | 1.50       |
| Water Absorption (24 Hours)                            | 1.10       |
| Izod Impact Strength (at 49°C -LW)                     | 1.95       |

### Product Info

C, or Grade-C Canvas Phenolic Grade Laminate, is a phenolic resin and woven canvas substrate laminate sheet. It qualifies for NEMA C and MIL-I-24768/16 requirements.

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

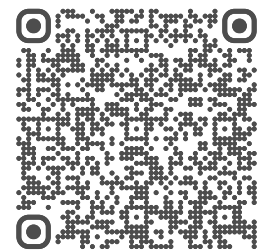
### Capabilities

- Wear resistance
- High machinability
- Toughness
- High impact strength

### Electrical Data

|  |       |
|--|-------|
| Dissipation Factor - 106 cycles Condition A  | 0.053 |
| Dielectric Constant - 106 cycles Condition A | 5.00  |
| Electric Strength V/MIL Condition A          | 400   |
| Dielectric Breakdown A                       | —     |
| Permittivity - A                             | —     |

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