**Current Industrial Composites**
**Sheeting · Tubes · Rods · Fabricated Parts · Epoxy · Phenolic**

# TECHNICAL DATA SHEET

## G-5

## Mil-I-24768/8, GMG

G-5 melamine convolute wrapped tubes are reinforced with woven glass fabric. They are used for mechanical and electrical applications where arc or arc track resistance is required. G-5 is a self-extinguishing halogen free composite with good flame resistance that meets NEMA G-5 requirements.

| REQUIREMENT | |
|---|---|
| Minimum Dielectric Strength | 200v/mil |
| Compressive Strength (Axial) | 20000 psi |
| Minimum Density | 1.7g/cm$^3$ |
| Maximum Water Absorption | 5% |
| | |
| Tensile Strength | 30000psi |
| **Flexural Strength** | 22000 psi |
| Dissipation Factor | .02 |
| Permittivity @ 1 MHz | N/A |
| Maximum Operating Temperature | 130°C |

For in-house use only – not for distribution.