

# GLASS MELAMINE G-9

## Glass-Fiber Reinforced Melamine Laminate (NEMA G-9)

Arc-resistant glass-melamine. Built for fault-current service.

Glass-fiber reinforced melamine laminate pairs woven E-glass cloth with a melamine resin binder, producing a hard, arc-resistant composite with excellent flame retardance and high mechanical strength. It is the standard substrate for arc-quench hardware, switchgear arc shields, and structural insulators in high-fault-current service.

<b>GENERAL</b>	
Specific gravity	<b>1.85</b>
Flammability rating	<b>94V-0</b>
Water absorption 24 hours	<b>0.60</b>
<b>MECHANICAL</b>	
Tensile strength	<b>70,000 psi</b> 480 MPa
Compressive strength	<b>39,000 psi</b> 265 MPa
Flexural Strength -LW -A 0.125"	<b>55,000 psi</b> 375 MPa
Bond strength	<b>1,900 psi</b> 13 MPa
Shear strength	<b>18,000 psi</b> 120 MPa
Hardness M Scale	<b>115</b>
Izod impact strength 49°C -LW	<b>12.50</b>

- NEMA LI 1 – G-5 / G-9 GRADES
- MIL-I-24768/8 (G-5)
- UL 94V-0
- ROHS / REACH

### APPLICATIONS

- Arc barriers
- Armature for insulation
- Specialty terminal blocks
- Switchboard panels
- Switch mounts
- Circuit breaker components

### STANDARD COLORS

Natural / Black Opaque