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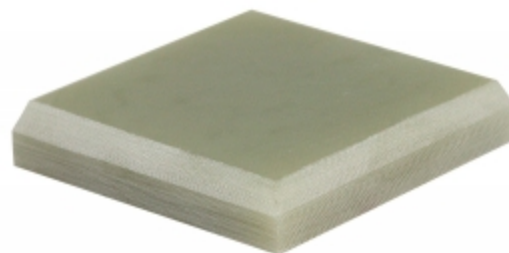
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## NEMA G9LC

This G9LC is constructed of a woven fiberglass fabric and a flame retardant melamine resin, which is easily machinable. Melamine has several remarkable properties, including resistance to heat, electric arcs, flames, and alkalis. This material meets NEMA Grade G9 standards and MIL-1-24768/1.



## APPLICATIONS

This material offers excellent hardness and is resistant to electric arcs and flames. It retains its electrical insulation properties even in damp or wet conditions. This material also offers good dimensional stability, high mechanical strength, and is easy to work with.

## SPECIFICATIONS

### Technical Data

|                                                 |               |
|-------------------------------------------------|---------------|
| Specific gravity                                | 1.85          |
| Tensile strength (psi)                          | 39 000        |
| Flexural strength (psi)                         | 55 000        |
| Compressive strength (psi)                      | 70 000        |
| Hardness, M Scale                               | 115           |
| Bond strength (psi)                             | 1900          |
| Shear strength (psi)                            | 18 000        |
| Electric strength - V/MIL Cond A                | 450           |
| Flammability rating                             | 94V-0         |
| Max. Oper. Temp.                                | 284°F (140°C) |
| Coeff. Thermal Exp. In/In/°C x 10 <sup>-5</sup> | 1.50          |
| Water absorption % - 24 %                       | 0.60          |
| Izod Impact Strength @49°C-LW                   | 12.50         |

**N.B.** The information presented may differ from practice. We recommend conducting tests according to the conditions of use. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products. The data is subject to certain variations without notice.