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FIBERGLASS / EPOXY / SILICONE / MELAMINE

# NEMA G11

## Description

The G11 is a high strength, medium weave glass epoxy laminate that retains a minimum of 50% of its flexural strength at 302°F while preserving its properties. It provides excellent physical, mechanical and electrical properties at both room and elevated temperatures.



## Applications

Typical applications include insulation in power generation equipment and other structural applications when used in elevated temperatures.

## Specifications

### Technical Data

|                                                     |        |
|-----------------------------------------------------|--------|
| Specific gravity                                    | 1.82   |
| Tensile strength (psi)                              | 37 000 |
| Flexural strength (psi)                             | 75 000 |
| Compressive strength (psi)                          | 63 000 |
| Hardness, M Scale                                   | 112    |
| Bonding strength (lbs)                              | 2200   |
| Shear strength (psi)                                | 22 000 |
| Dissipation factor, 10 <sup>6</sup> cycles, Cond A  | 0.020  |
| Dielectric constant, 10 <sup>6</sup> cycles, Cond A | 5.00   |
| Flammability rating                                 | 94HB   |

|                             |               |
|-----------------------------|---------------|
| Temperature                 | 180°C (350°F) |
| Water absorption % - 24 Hrs | 0.20          |

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.