

GLASS SILICONE G-7

Glass-Fiber Reinforced Silicone Laminate (NEMA G-7)

High-temperature glass-silicone insulation, engineered to hold up.

Glass-fiber reinforced silicone laminate combines woven E-glass cloth with a high-temperature silicone resin binder. The composite excels in high-temperature dielectric service, retaining mechanical and electrical performance well beyond the limits of conventional glass-epoxy laminate.

NEMA LI 1 – G-7 GRADE

MIL-I-24768/17

UL 94V-0

ROHS / REACH

APPLICATIONS

- Arc barriers and plates
- Insulation
- Heating systems
- Appliances
- Terminal boards
- Spacers, sleeves, and wedges

STANDARD COLORS

Natural / Black Opaque

GENERAL

Specific gravity	1.78
Flammability rating	94V-0
Water absorption over 24 hours	0.20

MECHANICAL

Tensile strength	45,000 psi 310 MPa
Flexural strength LW -A 0.125"	25,000 psi 170 MPa
Shear strength	17,000 psi 115 MPa
Bond strength	900 psi 6.2 MPa
Hardness Mohs Scale	105
Izod impact strength 49 degrees Celsius -LW	6.50

OPERATING ENVIRONMENT

Maximum operating temperature	220 °C 425 °F
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