



Physical Data

Specific Gravity Tensile Strength 18,000 psi Compressive Strength 45,000 psi Flexural Strength 25,000 psi Hardness - M Scale 105 Bond Strength 900 psi Shear Strength 17,000 psi Flammability Rating 94V-0 Maximum Operating Temperature 428°F Thermal Expansion Coefficient °C (x 10-5) 1.00 Water Absorption (24 Hours) 120d Impact Strength (at 49°C -LW) 6.50		
Compressive Strength Flexural Strength 25,000 psi Hardness - M Scale Bond Strength 900 psi Shear Strength 17,000 psi Flammability Rating 94V-0 Maximum Operating Temperature Thermal Expansion Coefficient °C (x 10-5) Water Absorption (24 Hours) 125,000 psi 105 94V-0 428°F 1.00	Specific Gravity	1.78
Flexural Strength 25,000 psi Hardness - M Scale 105 Bond Strength 900 psi Shear Strength 17,000 psi Flammability Rating 94V-0 Maximum Operating Temperature 428°F Thermal Expansion Coefficient °C (x 10-5) 1.00 Water Absorption (24 Hours)	Tensile Strength	18,000 psi
Hardness - M Scale Bond Strength 900 psi Shear Strength 17,000 psi Flammability Rating 94V-0 Maximum Operating Temperature Thermal Expansion Coefficient °C (x 10-5) Water Absorption (24 Hours) 105 94V-0 17,000 psi 105 100 100	Compressive Strength	45,000 psi
Bond Strength Shear Strength 17,000 psi Flammability Rating 94V-0 Maximum Operating Temperature Thermal Expansion Coefficient °C (x 10-5) Water Absorption (24 Hours) 0.20	Flexural Strength	25,000 psi
Shear Strength 17,000 psi Flammability Rating 94V-0 Maximum Operating Temperature 428°F Thermal Expansion Coefficient °C (x 10-5) 1.00 Water Absorption (24 Hours) 0.20	Hardness - M Scale	105
Flammability Rating 94V-0 Maximum Operating Temperature 428°F Thermal Expansion Coefficient °C (x 10-5) 1.00 Water Absorption (24 Hours) 0.20	Bond Strength	900 psi
Maximum Operating Temperature 428°F Thermal Expansion Coefficient °C (x 10-5) 1.00 Water Absorption (24 Hours) 0.20	Shear Strength	17,000 psi
Thermal Expansion Coefficient °C (x 10-5) 1.00 Water Absorption (24 Hours) 0.20	Flammability Rating	94V-0
Water Absorption (24 Hours) 0.20	Maximum Operating Temperature	428°F
	Thermal Expansion Coefficient °C (x 10-5)	1.00
Izod Impact Strength (at 49°C -LW) 6.50	Water Absorption (24 Hours)	0.20
	Izod Impact Strength (at 49°C -LW)	6.50

Product Info

G-7 is a high-performance silicone resin and woven fiberglass substrate laminate sheet. It qualifies for NEMA G-7 and MIL-I-24768/17 requirements.

Available in rods, tubes, and sheets in various dimensions, lengths, diameters and thicknesses.

Capabilities

- High heat resistance
- Low dissipation factor
- Arc resistance
- Flame resistance
- Low smoke evolution
- Meets Class "H" insulation requirements

Electrical Data

Dissipation Factor - 106 cycles Condition A	0.003
Dielectric Constant - 106 cycles Condition A	4.20
Electric Strength V/MIL Condition A	400
Dielectric Breakdown - A	-
Permittivity - A	-

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If you're looking for a high quality glass silicone component, let us be your complete solution.