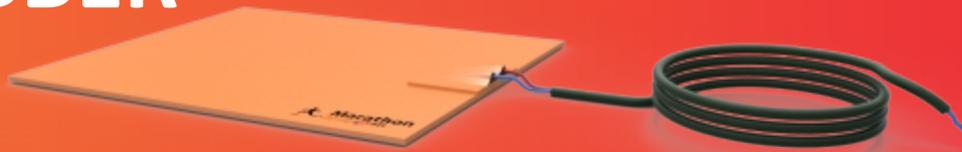


SILICONE RUBBER HEATERS



Famously known as “flexible heaters”, silicone rubber heaters are composed of fiberglass reinforced silicone rubbers that are rugged, moisture and chemical resistant, flame retardant, have high dielectric strength and are non toxic. Wire or etched foil heating circuit is positioned between two “wafers” of silicone which provides flexibility and strength. Design versatility permits zones of higher or lower heat concentration as needed. They are capable of flexing and will conform to contoured surfaces. They can also be pre-formed to complex shapes and can withstand mechanical shock and vibration. Designed to meet the requirements of various low and medium temperature applications, they improve heat transfer; speed warm ups, and decrease wattage requirements. The silicone Fiberglass-reinforced silicone rubber gives the heater dimensional stability without sacrificing flexibility. Thermostats or RTD can be mounted for temperature control. Teflon lead wires can exit any location to make suitable connections. Different mounting methods such as pressure sensitive adhesive, field applied adhesive, Velcro etc. are available according to the requirement.

With silicone rubber heaters, heat can be placed where it is needed. These heaters improve heat transfer; speed warm ups and decrease wattage requirements.

Fiberglass-reinforced silicone rubber gives the heater dimensional stability without sacrificing flexibility. Because very little material separates the element from the part, heat transfer is rapid and efficient. The heater construction creates a very thin heater allowing it to fit applications where space is limited.

OPTIONS

Length	1 to 78 inches
Width	1 to 36 inches
Thickness	0.056" standard, other thicknesses available
Watt Density	80 W/in ²
Wattage Tolerance	+5, -10%
Operating Temperature	-70 to 450 °F
Maximum Temperature	500 °F or 260 °C
Voltage	12V to 600V AC or DC
Lead wire	12 inch Teflon insulated, other types available

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FEATURES AND OPTIONS

Dimensions : Customized

Mounting Methods

- Pressure Sensitive Adhesive (PSAS)
- Silicone contact cement kit
- Field applied adhesive
- Mechanical fasteners
- Factory bonding

Termination Styles

- Teflon Leads
- Silicon Insulated Leads

Construction

- Wire wound
- Etched foil elements

Holes, Cutouts and Notches : Customized

Thermal Insulation : To increase heat efficiency

APPLICATIONS

- Freeze protection and condensation prevention
- Drum Heaters
- Medical equipment
- Computer Peripherals
- Photo processing equipment
- Semiconductor processing equipment
- Shelving

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