



GENERAL INFORMATION

A flexible, adhesive-backed tape that generates heat when electrical current passes through its heating elements. The silicone layer provides insulation and protection, while the embedded heating elements deliver controlled and uniform heat. This type of heating tape can be wrapped around pipes, tanks, or other surfaces to maintain or raise temperatures.

Flexibility and Conformability: Silicon heating tape is highly flexible and can conform to irregular surfaces, curves, and various shapes. This makes it suitable for applications where traditional rigid heaters would be challenging to install.

High Temperature Range: Our silicon heating tape operates across a wide temperature range, from -70°F to 450°F (-57°C to 232°C). This versatility makes it suitable for both low and high-temperature applications.

Chemical and Moisture Resistance: The silicone coating provides excellent resistance to chemicals, moisture, and solvents. This makes silicon heating tape ideal for use in harsh or corrosive environments.

Uniform Heat Distribution: The tape provides even and consistent heat distribution over the surface it covers, which helps in maintaining stable temperatures and reducing the risk of hot spots.

Adhesive Backing: The silicon heating tapes come with an adhesive backing, which makes them easy to apply and secure to various surfaces. This feature simplifies installation and ensures that the tape stays in place.

Durability: Silicon heating tape is durable and resistant to physical wear, abrasion, and environmental factors. This durability contributes to a long operational life and reduces maintenance needs.

Electrical Insulation: The silicone material offers excellent electrical insulation properties, enhancing safety and allowing the tape to be used in environments where electrical isolation is required.

Customizable Sizes and Shapes: We can manufacture silicon heating tape in various widths, lengths, and configurations to suit specific application needs. Custom options make it possible to address diverse heating requirements.

Easy Installation: The flexibility and adhesive backing of silicon heating tape facilitate a straightforward installation, even in tight or challenging spaces. This ease of installation reduces setup time and labor.

Cost-Effectiveness: Compared to other heating solutions, silicon heating tape can be a cost-effective option, especially in applications where flexibility, ease of installation, and durability are prioritized.

APPLICATIONS

INDUSTRIAL SILICONE RUBBER HEATERS ARE USED IN MANY APPLICATIONS, INCLUDING:

CONDENSATION PROTECTION
 PIPE HEATING
 FREEZE PROTECTION
 HEATED PLATENS
 AEROSPACE INDUSTRY
 COMPOSITE CURING
 FOOD SERVICE
 IRREGULAR SHAPES



SPECIFICATIONS

VOLTAGE:	12V TO 480V (AC/DC)
LENGTH:	CUSTOM
WIDTH:	CUSTOM
THICKNESS:	0.060" (STANDARD)
LEAD WIRES:	22AWG TEFLON (STANDARD)
OPER. TEMP.:	-70°F TO 450°F
WATTAGE TOLERANCE:	+5%, -10%