

Silicone Rubber Heater

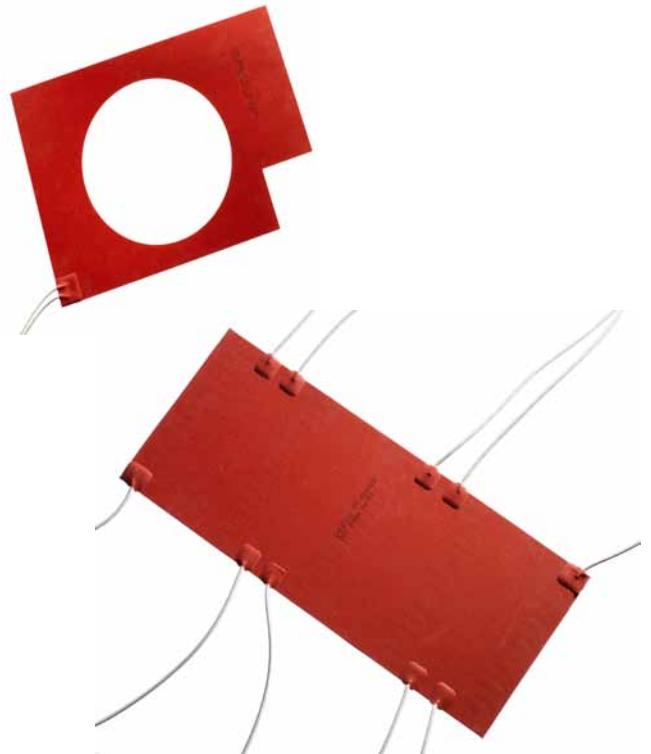
Description

Silicon rubber is a rugged, flexible material with excellent temperature properties. They can be used in both high and low temperature applications.

Fiberglass-reinforced silicone rubber gives your heater dimension stability without sacrificing flexibility.

Technical specification

Max element temp.	230 °C (446°F)
Min. element temp.	-50°C (-58°F)
Dielectric strength at 20°C as per ASTM KV/mm	17
Thermal conductivity at 100 °C/m °K	0.24
Moisture absorption as per ASTM D-570- 63. (24h immersion at 23°C)	0
Waterproof as per IEC 335-1 sect. 15-16	yes
Constant of dielectricity at 25°C, 50Hz	2.9-3.6
Bending radius, min	10 mm
Max. element width	600 mm
Power density	1,3 W/cm ²
Resistance tolerance	As standard, ±5% of nominal. Tolerance down to ±2% available
Rated voltage	Up to 690 V AC/DC single or 3 phase
Approvals/Standards	ETL (UL, V0, HB)



Printed elements

Benefits

- Can be factory vulcanized to metal parts
- PSA assembly
- Low gas permeability

Fields of application

- Food service equipment
- Freeze protection and condensation prevention for instrumentation and equipment
- Photocopy machines
- Medical respirators
- Ultrasonic cleaners

