

## 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.

The temperature range is between as low as -50°C and as high as 200°C. If requested we have the possibility to integrate components like thermistors, sensors and IC's.

## Technical specifications

Max. element temperature	+235°C (457°F)
Min. element temperature	-50°C (-58°F)
Dielectric strenght at 20°C as per ASTM KV/mm	21-23
Thermal conductivity at 100°C (W/m·K)	0,24
Moisture absorption per ASTM D-570-63 (24 hr immersion at 23°C)	0,1%
Waterproof per IEC 335-1 sect. 15-16	Yes
Dielectric constant at 25°C, 50 Hz	2,9-3,6
Min. bend radius	3mm
Max. element width	610mm
Power density	1,3 W/cm <sup>2</sup>
Resistance tolerance	Standard ± 10% of nominal Optional up to ± 2%
Rated voltage	Up to 1000VAC/VDC single or 3 phase.
Approval/Standards	ETL (UL, V0)

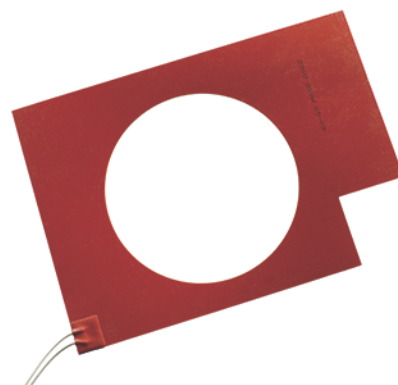
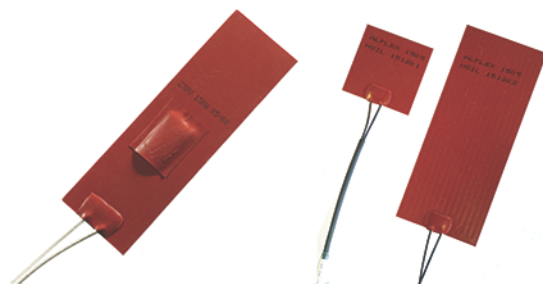
## Etched elements

### Benefits

- High and low temperatures
- Factory vulcanized on metal parts
- PSA's (silicone based and acrylics)
- Low gas permeability

### Markets/Applications

- Food service equipment
- Medical respirators
- Freeze protection
- Condensation prevention
- Photocopy machines
- Ultrasonic cleaners
- Temperature conditioning



**Alflex, your partner in Thermal Solutions!**