



BACKER
CALESCO

SILICONE HEATERS

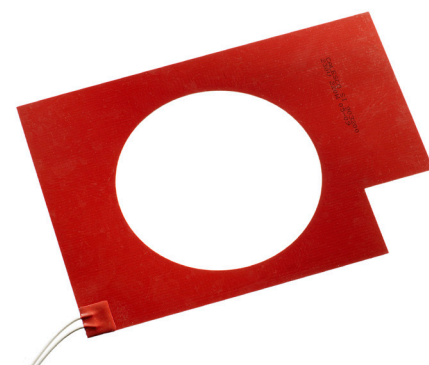
Description

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

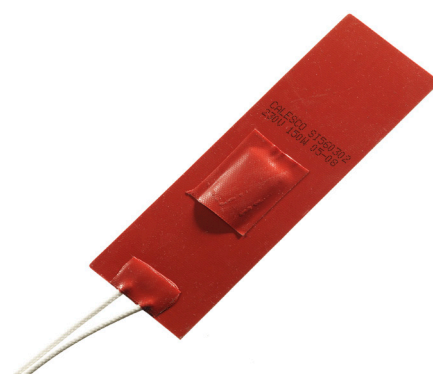
Fiberglass-reinforced silicone rubber gives your heater dimension stability without sacrificing flexibility.

Technical specification

Max element temp.	235 °C (457 °F)
Min. element temp.	-50 °C (-58 °F)
Dielectric strength at 20°C AS per ASTM KV/mm	21- 23
Thermal conductivity at 100 °C W/(m•K)	0.24
Moisture absorption as per ASTM D-570-63. (24h immersion at 23°C)	0.1 %
Waterproof as per IEC 335-1 sect. 15-16	yes
Constant of dielectricity at 25°C, 50Hz	2.9-3.6
Bending radius, min	3 mm
Max. element width	610 mm
Power density	1,3 W/cm ²
Resistance tolerance	As standard, ±10% of nominal. Tolerance down to ±2% available
Rated voltage	Up to 1000 V AC/DC single or 3 phase
Approvals/Standards	ETL (UL, V0, HB)



Product photo



Benefits & Fields of Application

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
- Medical respirators
- Ultrasonic cleaners



Application photo