



High Tech Engineering

Silicone insulated heating mats series MIL-SM-SO

for operating temperatures up to 200°C

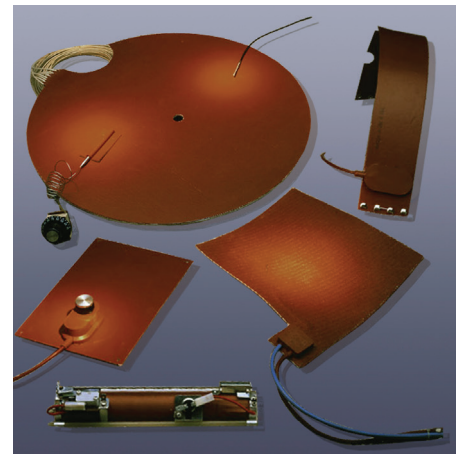
Description:

Flexible heating mats ready for connection are designed and manufactured specifically for the customer in all geometric shapes.

Cut-outs can be considered for.

The heating element and the processed silicone materials are particularly resistant to different chemicals.

These heating mats can also be supplied with self-adhesive or magnetic foil on one side and also as a preformed version.



Features:

- very evenly heat distribution
- splash-proof
- geometrical shapes and cut-outs as specified
- different mounting options

Applications:

These heating mats are used for thermal work processes in which high temperature resistance and flexibility are required. In addition to warming adhesive joints, this silicone heating mat also distributes the heat very evenly over the whole surface on machine and device parts, containers, pipe sections and other moulded parts.

Technical specification

MIL-SM-SO

nominal voltage	12 - 400 V
nominal power	process-oriented, max. 0,5 W / cm ²
material type	glass fiber reinforced silicone
mounting type	hooks and springs, eyelets, velcro fastener, magnetic foil or self-adhesive foil
material thickness	1,0 - 2,5 mm
power density	max. 0,6 W/cm ²
pressure load	max. 1 kg/cm ²
max. fabrication size	3000 x 940 mm
protection class	0
system of protection	IP 64
temperature sensor (fix build-in)	Pt100 or thermocouple - specifications by customer
temperature limiter (fix build-in)	Pt100 oder temperature limiter - specifications by customer
max. heating element temperature	200°C (with self-adhesive foil max. 180 °C)
power supply cable	specifications by customer

We also manufacture heating mats for operating temperature up to 450°C or 900°C

Accessories

For temperature regulation we supply a full range of controllers and temperature regulators appliances and corresponding with our temperature sensors.



Electronical temperatur regulator analog series MIL-EC200



Electronical temperatur regulator series MIL-RD1000



Electr. regulator / limiter combination series MIL-RD3000



Silicone glue KM-SR tube 82 ml



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