

### T - TA - TV Silicon elastomer heater mats



Heating mats are manufactured to order and their sizes and shapes can be adapted to each situation.

They can be fixed using eyelets or hooks incorporated into the heating mat and, in some cases, vulcanized directly by us onto your metal parts. An adhesive backing can also be provided.

Other options such as double insulation, fuses, thermal cut-out devices or temperature sensors are available.

Surface temperature according to power

Power W/cm <sup>2</sup>	Surface temperature (°C)
0.05	40
0.10	70
0.15	90
0.20	105
0.25	120
0.30	135
0.35	150
0.40	165
0.45	175
0.50	190
0.55	200
0.60	210
0.70	230
0.80	250
0.90	260
1.00	270

T - TA - TV	
Heating wire	Nickel-Copper or Nickel-Chrome
Heating element insulation	Silicon elastomer
Max. surface	1.5 m <sup>2</sup>
Max. length	3 m
Max. width	1 m
Thickness	~ 3 mm (thicker at connection point)
Max. power	0.5 W/cm <sup>2</sup>
Permissible surface temperature	from - 60°C to + 200°C
Max. maintenance temperature	+ 160°C
Tolerance	Power ± 10%

The above table gives surface temperatures for heating mats according to their power level in W/cm, measured in the following conditions:

Heating mats placed on a 1.5mm thick horizontal aluminium plate in a calm atmosphere at +20°C. The plate is suspended in the air. Temperatures are recorded after stabilising.

#### Use

Consult the pages of the catalogue devoted to the corresponding general operating principles, general instructions for use and accessories.

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