


T - TA - TV Silicon elastomer heater mats



Characteristics

- Takes up little space.
- Highly flexible.
- A variety of shapes.
- Quick and easy to fit.
- Any voltage on request.
-  mats on request.
- Length of power cable: 1 m as standard.
- **T** : Silicon elastomer insulated mats.
- **TA** : with adhesive back for permanent fitting.
- **TV** : factory vulcanised on metal backing.



Applications

Military: radars, missiles, temperature maintenance of electronic circuits or protective housings anti-condensation for aiming devices, etc.

Office equipment: photocopiers, printers.

Rolling stock: rear-view mirrors, batteries, vehicle floors, driving cabs for locomotives, locks, tank wagons, etc.

Food service industry: electric hot-plates, double boilers, trays, etc.

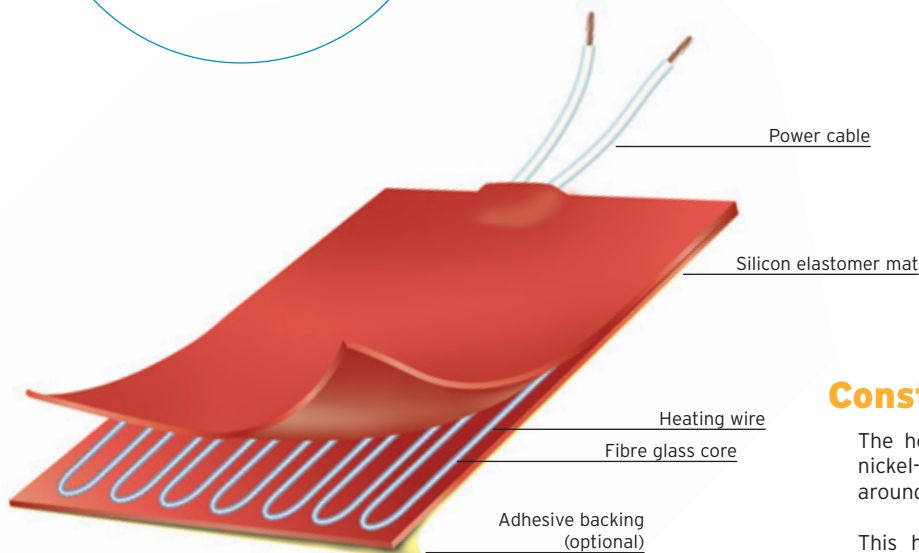
Photography: developing and fixing trays.

Medical: X-rays, trays for wax impressions, apparatus for bacteria cultures or blood tests, transformation of cosmetic products, etc.

Various industries: substances in drums, heating trays, distillers, boilers, ultrasound vessels, tanks for electrolysis, process tanks, storage silos and vats, hoppers, conveyor belts, control desks, presses, repair kits for composite materials, etc.

Miscellaneous: photoelectric cells, decomposition toilets, various drying devices, etc.

To ensure that these heating elements enjoy a long service life, we recommend using a control device.



Construction

The heating part is made up of a nickel-chrome or nickel-copper alloy heating wire wound in a spiral around a slender fibre glass core.

This heating element is then placed between two layers of woven fibre glass impregnated with silicon elastomer.

This material is an excellent electrical insulator (approx. 12 kV/mm), a good conductor of heat (7.10^{-4} W/cm/K) and flexible. It can withstand continuous temperatures of around 200°C. The fibre glass weave endows the assembly with good mechanical resistance, while allowing it to remain very flexible.

Use

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

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