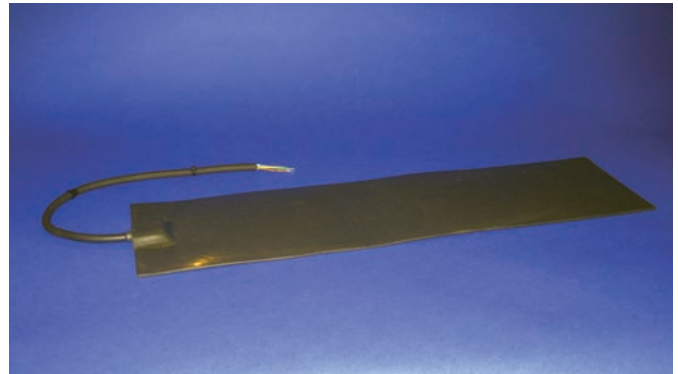


# Flexible Polymer Heating Mats

## Flexible Polymer Heating Mats Custom Designed for Low Temperature Applications



Utilizing patented THERMOPOLYMER® technology to capture a heating element into a thermoplastic elastomer (TPE), Watlow's heated mats can provide the heat you need right where you need it.

Watlow's flexible polymer heating mat technology can be designed to fit your application in sizes or shapes up to 20 x 25 inch (508 x 635 mm). Consult factory for larger sizes.

A low temperature flexible heating mat can be used in a variety of ways. The wide range of sizes can be used to heat floors, pans, shelves, tanks or almost anything with a flat or gently curved surface that needs warmth.

### Performance Capabilities

- Custom designs can be created with watt densities from 0.1 up to 2 watts per square inch that operate on 12 to 240 volts. Certain limitations apply, consult factory for operating and application restrictions.
- Maximum heater surface temperature 100°C (212°F)
- Tested to meet a 5VA flame retardant rating; UL® 499 listed, C-UL®/CSA 22.2-72
- Flexible polymer heated mats are **not** designed for use in hazardous locations. Consult factory for flexible mats that are approved for use in hazardous locations.

### Applications

- Electrical box heating
- Liquid line freeze protection
- Warming applications
- Low temperature maintenance and processing
- Telecommunication battery switch boxes
- Heavy duty transportation
- Biotechnology applications

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### Features and Benefits

**THERMOPOLYMER heated mats are free from seams and joints**

- Safe for use in outdoor environments

**Excellent resistance to UV, non-aromatic fuels, abrasion and tearing**

- Provides toughness and durability

**THERMOPOLYMER heater technology allows for easy removal and installation**

- Reduces maintenance cost

**Long heater life**

- Low watt density

**Made to fit unusual shapes**

- Custom designed and molded by the factory to accommodate curved or other shapes

### Availability

THERMOPOLYMER flexible polymer heating mats are custom designed for your application. Consult factory for details and pricing.



**Better Thermal Solutions...Faster**

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