

KAPTON ETCH FOIL HEATER MATS

CUSTOMISED TO ANY SHAPE OR SIZE

UP TO 550MM X 285MM

Low profile, flexible surface heaters for temperatures up to 200°C, which can be made to a range of specifications, shapes and sizes to match the application.

Kapton (Polyimide) is a semi-transparent, organic polymer film, ideal for the production of etch foil heater mats. With a low thermal mass, superb electrical insulating properties and excellent resistance to most chemicals, Kapton heaters allow high power densities with fast and efficient thermal transfer.

Thin and lightweight, Kapton heaters can be used in arduous conditions, offering very good resistance to weather and ageing, fungus & bacteria and ozone. They also have an adequate resistance to radiation, and most chemicals, acids and solvents.

Applications include industrial catering, battery warming, telecommunications, laboratory equipment and anti-condensation.

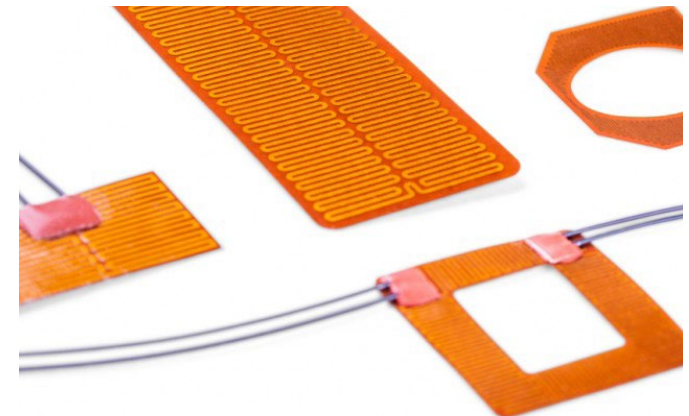
Health & safety : Kapton heaters are intended for use in industrial electric heating apparatus. They correspond to the BS EN 60335-1:2012. The heater has to be operated in accordance with these standards and regulations and should be installed on an electrical system protected by a residual current circuit breaker.

FEATURES

- Minimal thermal mass
- High power densities with precise even heating
- Fast and efficient thermal transfer
- Low outgassing
- Low profile
- IP64 protection
- Wide temperature range -269°C to 200°C
- Superb electrical insulating properties
- Extremely flexible

TECHNICAL SPECIFICATION

- Maximum Width : 550mm
- Maximum Length : 285mm
- Thickness : 0.2mm
- Temperature Ranges (Non-Adhesive) : -269°C to 200°C
- Temperature Ranges (Adhesive) : -30°C to 180°C
- Power Rating : Application dependent
- Thermal Conductivity : 0.12 (Watt/Metre/K)

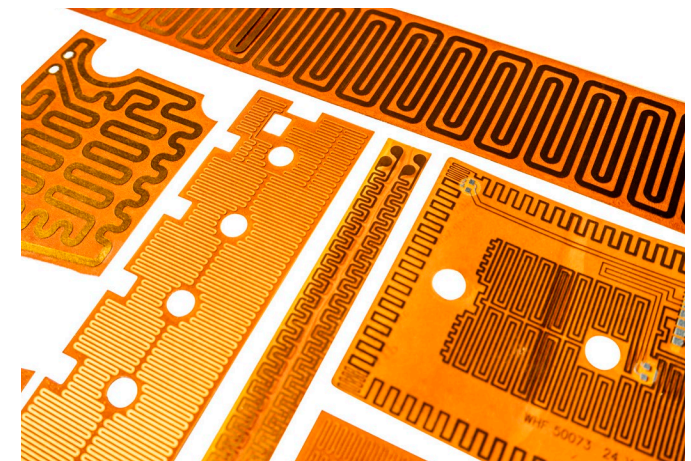


TO TALK TO OUR EXPERT TEAM,
CALL **+44 (0)1483 869 070** OR
EMAIL **SALES@HAWCO.CO.UK**

KAPTON ETCH FOIL HEATER MATS

COMPARISON OF KAPTON FOIL AND SILICONE RUBBER HEATER MATS

| | KAPTON | SILICONE WIRE WOUND | SILICONE ETCHED FOIL |
|----------------------------------|-----------------|---------------------|----------------------|
| TEMPERATURE RANGE | -269°C to 200°C | -60°C to 250°C | -60°C to 200°C |
| THICKNESS RANGE | 0.2mm to 0.3mm | 1.1mm to 3mm | 0.8mm to 1.5mm |
| MAXIMUM POSSIBLE SIZE | 285mm x 550mm | 940mm x 3000mm | 595mm x 2500mm |
| UL & VDE APPROVAL AVAILABLE | | ✓ | ✓ |
| SUITABLE FOR HIGH QUANTITY | ✓ | | ✓ |
| LOW SMOKE LOW TOXICITY AVAILABLE | | ✓ | ✓ |



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