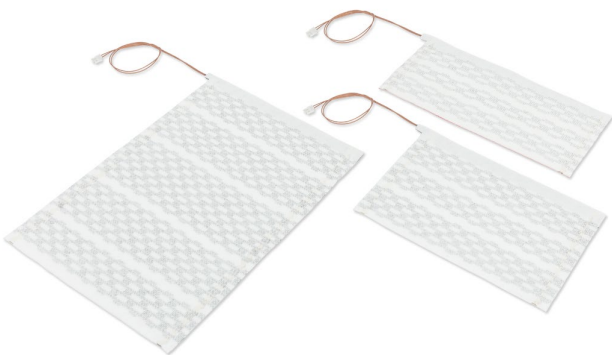


## Technical data

# Textile Heating Element

## Surface Heating Element

Stand 03.2025



## Description

Our flexible textile heating pads consist of an exceptionally flexible resistance wire that can be applied to various carrier materials such as fabric, nonwovens, or mesh. The precise placement of the resistance wire is achieved through laying or weaving techniques, ensuring high reproducibility and uniform heat distribution. These heating elements stand out for their high flexibility and resistance to bending, making them extremely durable against mechanical stress.

Our textile heaters are available in a wide range of shapes and sizes – from standard versions to customised 3D heating elements. The textile carrier material allows for efficient heat transfer across large areas and adapts perfectly to different applications.

Our textile heating elements are available in various voltage and power ranges and can be customised to meet specific requirements.

Rec. Temperature Range:	20 to 180°C
max. Temperature Range:	200°C Short-Term
Rec. Surface Load*:	Up to 0,25 W/cm <sup>2</sup>
Power Tolerance:	+/- 10 %
Voltage Range:	Up to 400 Volts
PTC Effect:	Not applicable
Multiple Heating Circuits:	Possible
Shape:	Custom-made
max. Size:	2,500×7,500 mm
min. Size:	50 × 50 mm
min. Height:	2,00 mm

### Geschäftsführung: | Management:

Andrejel Zajac  
Miroslav Zajac

### Amtsgericht Freiburg | Local Court Freiburg

HRB 602993

### Steuernummer: | Tax number:

22060/09227

### USt-IdNr: | VAT number:

DE236047387

### Zollnummer: | Customs number:

DE6695698

### Bankverbindung | Bank connection

Bank: Deutsche Bank  
BLZ: | Bank Code: 694 700 24  
Konto Nr.: | Account No.: 061 60 60  
IBAN: DE02 6947 0024 0061 6060 00  
BIC (SWIFT-CODE): DEUTDE33HAN30

### Customisable Features

- Integrated temperature sensors for precise control
- Thermal cut-offs for maximum safety
- Self-adhesive backing for easy installation
- Additional configurations available based on requirements and application

Flexibility:	3D
min. Bending Radius:	1.0 mm
IP Protection:	Custom-made
Shielding / Grounding:	Possible
Integrated Sensor / Fuse:	Possible
Self-Adhesive:	Possible up to 175°C
UL Version:	Not possible
min. Order Quantity:	From 20 pieces

\*Depending on the application, higher surface loads are possible, provided that efficient heat dissipation and fast regulation are ensured.

The information in this table is for guidance only and does not constitute any guarantee claims.

### Contact

Carbon Heater GmbH  
Auf Stocken 1  
78073 Bad Dürkheim

Telefon: +49 (7726) 37888120

E-Mail: [info@carbon-heater.com](mailto:info@carbon-heater.com)

Web: [www.carbon-heater.com](http://www.carbon-heater.com)

#### Geschäftsführung | Management:

Andrejel Zajac  
Miroslav Zajac

#### Amtsgericht Freiburg | Local Court Freiburg

HRB 602993

#### Steuernummer | Tax number:

22060/09227

#### USt-IdNr. | VAT number:

DE236047387

#### Zollnummer | Customs number:

DE6695698

#### Bankverbindung | Bank connection

Bank: Deutsche Bank  
BLZ: | Bank Code: 694 700 24  
Konto Nr.: | Account No.: 061 60 60  
IBAN: DE02 6947 0024 0061 6060 00  
BIC (SWIFT-CODE): DEUTDE33HAN30