

# Flexible Planar Graphene Heating Film

Model / SKU: XDB220V/A

## Product Overview

The SunAura **Flexible Planar Graphene Heating Film** is a graphene-based heating product manufactured by SUNAURA (Qingdao) Thermal Technology Co., Ltd. Using a printed graphene-carbon heating element with over 99% electric-to-heat conversion and far-infrared emission, it delivers uniform, efficient warmth suitable for B2B OEM / ODM programs. All products are batch-tested under ISO 9001:2015 and carry CE and RoHS compliance.

## Key Specifications

| Parameter            | Value                                               |
|----------------------|-----------------------------------------------------|
| Voltage              | 220 V                                               |
| Power density        | 230 ±10 % W/m <sup>2</sup>                          |
| Widths               | 70 cm / 140 cm                                      |
| Energy use           | 0.06 kWh/m <sup>2</sup>                             |
| Dielectric withstand | 3750 V                                              |
| Service life         | 50+ years                                           |
| Heating mode         | Linear, planar uniform                              |
| Process              | Dye-print + weave + lamination                      |
| Typical use          | Electric blankets, pet mats, floor mats, mattresses |

## Key Features

- Wide-format rolls for high-output appliances
- Uniform planar heat (no hot wires)
- 50+ year service life
- Suitable for bedding and pet products OEM

## Typical Applications

- Electric blankets and throws
- Pet heating mats and pads
- Floor mats and mattress toppers
- Custom OEM elements

Datasheet subject to change without notice. Specifications confirmed at time of order. OEM / ODM, private label and custom sizing available on request.