

Custom Graphene Encapsulated Heating Film

Model / SKU: XGF220V/A

Product Overview

The SunAura **Custom Graphene Encapsulated 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 ²
Width	54 cm
Energy use	0.07 kWh/m ²
Dielectric withstand	3750 V
Service life	40+ years
Cuttable	No (factory-cut in 5 cm steps)
Process	Printed-film, encapsulated
Lead time	1 week
Recommended use	Damp / moist environments

Key Features

- High-temperature and corrosion resistant encapsulation
- Factory-sealed for wet rooms, bathrooms and basements
- Custom lengths in 5 cm increments
- 40+ year design life under proper installation

Typical Applications

- Bathroom and wet-room underfloor heating
- Basement and moisture-prone areas
- Sauna and spa environments
- OEM heating elements for appliance brands

CE · RoHS · ISO 9001:2015 | Factory since 2008 · OEM / ODM welcome

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