Graphene Thermal pad

GSF110-020 graphene thermal pad adopts oriented lamination to form vertical heat paths for high conductivity & low thermal resistance. Made with graphene filler, it delivers great resilience and conformability, ideal for high-power cooling: base stations, auto domain controllers and AI chips.

【Product Features】

- Thermal Conductivity: up to 110 W/mK
- Low Thermal Resistance & Minimal Heat Loss
- High Resilience: resilience ≥90%
- Soft & Conformable For Easy Mounting
- High Reliability: no pumping-out

【Product Advantages】

- High Directional Cooling: 110W/m·K quickly dissipates chip heat for better efficiency & stability.
- Flexible Mounting: Compressible soft material fits uneven surfaces, lowers contact thermal resistance with damage-free installation.
- Reliable Endurance: Wide temp range, low oil leakage & anti-aging; stable performance under long full load and thermal cycling for long service life.

【Typical Applications】

- Semiconductor Testing
- Ai Chips
- Autonomous Driving Ics
- Optical Modules
- Telecommunication Equipment
- Uavs
- Humanoid Robots

【Storage Conditions】

Storage Temperature: ≤30°C

Storage Humidity: ≤75%

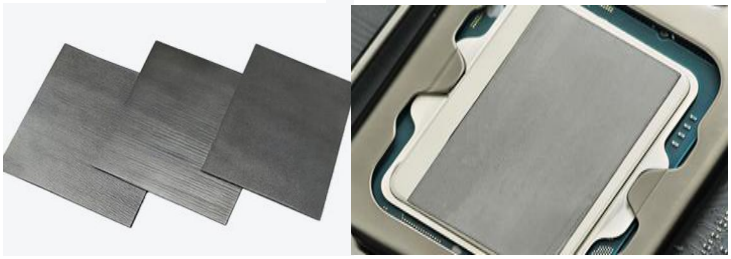
【Packaging】Custom packaging per customer’ s requirement.

【Shelf Life】12 months from production date

【This series meets RoHS 2.0, Halogen-free & REACH】

All data & recommendations are from trusted sources and offered in good faith. Due to variable customer application conditions out of our control, contents are for reference only. Customers are advised to confirm material fitness before production use.

【 Product Illustrate】



Property Category	Product Type	GSF110-020 (0.2mm)	Test Standard
Thermal Properties	Thermal conductivity (W/m·K)	110	ASTM E1461
	Thermal resistance (℃·cm^2/W , @50psi)	≤0.06	ASTM D5470
	Application temperature (℃)	-40~150	/
Physical Properties	Rebound rate (%)	≥90	/
	Tensile Strength (Mpa) (Orientation Direction)	≥0.05	ASTM D412
	Color	Black	Visual
	Thickness (mm)	0.2±0.02	ASTM D374
	Density (g/cm^3)	0.3~0.7	ASTM D792
	Oil Bleeding Rate (%)	≤3	/
	Flammability	V-0	UL94

