Thermal pad

CSF30-HC is a high compress conductivity thermal pad. Manufactured with advanced directional arrangement technology, it exhibits exceptional axial thermal conductivity. This material features a thermal conductivity of up to 30.0 W/mK, low thermal resistance and superior thermal stability, enabling efficient heat transfer between heat dissipation hardware and heat-generating components.

【Product Features】

- Thermal Conductivity: Up To 30 (W/m·K)
- Low Thermal Resistance & Low Heat Loss: Minimal Interfacial Thermal Resistance For Rapid And Efficient Heat Transfer
- High Compressibility: Soft Texture For Easy Surface Fitting

【Product Advantages】

- High Thermal Performance: 30 W/mK conductivity swiftly drains chip heat for higher device efficiency & stability.
- Flexible & Easy Mounting: Soft compressible material fits irregular surfaces to cut contact thermal resistance; install safely without part damage.

【Typical Applications】

- Chip Testing
- Capacitors
- Optical Modules
- 5G Base Station Remote Radio Units (RRU)
- Heat Sink Module Testing

【Storage Conditions】

Store In Cool Areas
Storage Temperature: ≤30°c
Storage Humidity: ≤75%

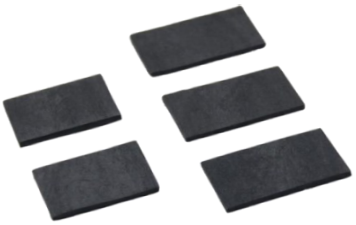
【Packaging】Custom packaging per customer's requirement.

【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	CSF30-HC	Test Standard
Thermal Properties	Thermal conductivity (W/m·K)	30±3	ASTM D5470
	Thermal resistance (℃·in²/W，@10%-15% compression rate 1mm)	0.1±0.02	ASTM D5470
	Application temperature（℃）	-40~150	/
Physical Properties	Hardness (Shore 00)	50~60	ASTM D2240
	Tensile Strength (Psi)	10	ASTM D412
	Maximum compressibility（%）	30	****
	Color	Black	Visual
	Thickness（mm）	0.3~12.0	ASTM D374
	Density（g/cm³）	2.2±0.2	ASTM D792
Fire resistance	Flammability	V-0	UL94