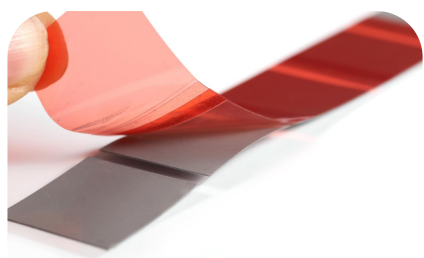


DATA SHEET



-Product picture-

FEATURES:

- Extremely low thermal resistance, efficient heat dissipation.
- Excellent heat transfer properties, and easy to use.
- Heat and pressure, the material will be further thinned, thermal resistance will be lower.
- excellent thermal stability, long-term use.

APPLICATIONS:

- Computer industry
- IC market
- Mobile phone industry
- Network communication equipment
- LED lighting
- Automotive Electronics
- Aerospace

This series of products are environmentally compliant with RoHS 2.0, halogen, standards.

STORAGE CONDITIONS: Storage in the darkness

STORAGE TEMPERATURE: $\leq 30^{\circ}\text{C}$

STORAGE HUMIDITY: $\leq 70\%$

The height of the stacking should not be more than 7 layers and the total height should not be more than 1m.

SHELF LIFE:

Under storage conditions: 1 year

Non storage conditions: 6 months.

Instructions:

- Use cotton balls (cotton cloth) to clean the surface of the equipment where SCM850 needs to be applied;
- Tear off the SCM850 from the base film by hand tearing;
- Place the SCM850 on the surface of the equipment to be applied, and gently roll the product surface with a roller or apply even pressure on the product surface with your fingers; It can be used by removing the tear-off bit.

Important Notice:

- The cleaner the surface of the equipment used is, the easier it is to tear off by hand, and the thermal conductivity of the product is better;
- Put the product in the ice room to cool for 10 minutes, it can be easier to tear the product from the bottom film;
- The tear-off bit is easier to peel from the corner edge.

PROPERTIES

Items	Parameter	Test Method
Color	Dark Grey	Visual
Thickness (mm)	0.15~0.5	ASTM D374
Density (g/cc)	2.8(± 0.3)	ASTM D 792
Phase Change Temperature ($^{\circ}\text{C}$)	50(± 5)	DSC
Operating Temperature ($^{\circ}\text{C}$)	-40~125	IEC 60068-2-14

THERMAL CHARACTERISTIC

Thermal Conductivity (W/m \cdot K)	8.5(± 0.5)	ASTM D 5470
Thermal Resistance ($^{\circ}\text{C}\cdot\text{cm}^2/\text{W}$)	≤ 0.045 (@40Psi/80 $^{\circ}\text{C}$)	ASTM D 5470

