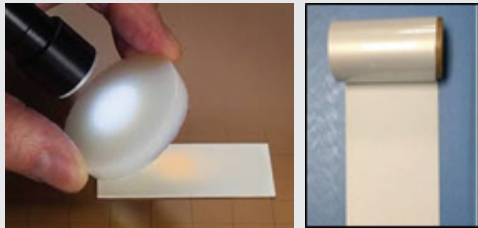


Technical Data Sheet

EverTherm SY series is a new type of aerogel thermal insulation film which is a thin-film nano thermal insulation material. Aerogel is the world's lightest solid material offering the best thermal insulation performance. Its pore diameter is ~ 20nm, which is smaller than the free path of air (70nm). The air molecules in the pores lose their ability to flow freely, thus achieving ultra-high thermal insulation performance. In addition, by using the heat insulation film and the heat dissipation film in combination, the uniformity of the heat insulation can be improved. For related information, please consult the CR Technology technical team.



Material Properties

- Thin film: 80µm ~ 350 µm
- The combined use of heat dissipation film can provide a variety of thermal solutions.

Applications

- ✓ Wearable terminal
- ✓ Smart phone
- ✓ LCD TV
- ✓ Tablet PC
- ✓ Digital cameras and various electronic devices that require heat insulation



EVSY300

Item	Detection	Testing method
Thickness	0.13mm	ASTM D751
Substrate (Base)	non	***
Thermal conductivity (W/(m·K))	0.018 - 0.022	ASTM D5470
Operating temperature range (°C)	-20 - 120	***
Long-term heat resistance temperature (°C)	120	ASTM D2240
Flame Rating	Not flame retardant	***
Standard Sheet Size	500mm x 25m	***
<i>Note: Other sheet sizes may be available upon request.</i>		
RoHS	PASS	IEC 62321
Halogen	PASS	EN14582
REACH	PASS	EN14372

Test fixtures using ASTM D5470. Recorded values include interface thermal resistance. These values are for reference only. The actual application performance is directly related to the applied surface roughness, flatness and pressure.

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Note: The information provided herein is accurate at time of publication. It is the responsibility of the end-user to confirm compliance to their application. All test data is typical. Therefore, these recommendations and data are for reference only and not as a product warranty.