EverTherm™

Technical Data Sheet

EVSC800-PI-2 Thermal Film

Product Description

EVSC800-PI-2 is made of ultra-thin PI film and coated with thermally conductive silicone on one side. The overall total thickness is 0.16 mm and acts as a heat transfer as it breaks down voltage.

Test items	Specification	Testing standard
composition	PI film, thermal conductive silicone	
Thickness(mm)	0.16±0.02	ASTM D 374
Color	Yellow	Visual
Operating Temperature (℃)	-50~200	TGA+DMA
Thermal Conductivity(W/m/-K)	1.6	ASTM D 5470
Volume resistivity (Ω-cm)	1012	ASTM D 257
Breakdown voltage (V/AC)	〉6000	ASTM D 149
Hardness (ShoreA)	45±5°	ASTM D 2240
Tensile strength (MPa)	60	ASTM D 412
Elongation (%)	20	ASTM D 412
Dielectric constant(1000Hz)	3.7	ASTM D 150
Flame Rating	V-0	UL 94
RoHS	PASS	IEC 62321
Halogen	PASS	EN14582
REACH	PASS	EN14372

Benefits

- High thermal conductivity, low resistance
- Electrical insulation
- High pressure resistance
- High tensile strength

Applications

- Power adapter
- Automobile electronics
- Communication equipment
- Motor controllers
- High pressure interface
- Semiconductor optoelectronic products

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