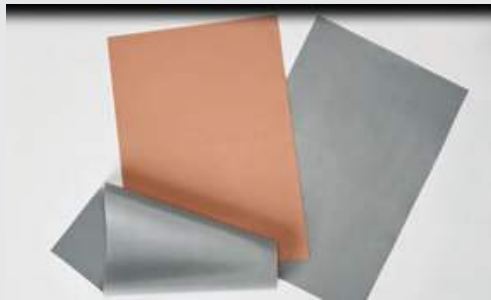


## Technical Data Sheet

### Product Description

EVSC800-PI-2-K6 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.



### 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



## EVSC800-PI-2-K6 Thermal Film

Color	Gray	Visual
Composition	PI film, thermal silicone	***
Thickness (mm)	0.16mm	ASTM D751
Density (g/cc)	2.2	ASTM D297
Hardness (Shore A)	90±5	ASTM D2240
Tensile strength (MPa)	35	ASTM D412
Operating Temperature°F/ °C	-50 to 200°C	***
Electrical		
Breakdown Voltage(AC KV/mm)	>6000	ASTM D149
Dielectric constant (1000 Hz)	5.0	ASTM D150
Volume resistivity	10 <sup>12</sup>	ASTM D257
(ohm-meter)		
Flame Rating	V-0	UL 94
Thermal conductivity		
Thermal Conductivity(W/m-K)	1.1	ASTM D5470
RoHS	PASS	IEC 62321
Halogen	PASS	EN14582
REACH	PASS	EN14372
Standard Sheet Size (Note: Other sheet sizes may be available upon request.)		305mm x 305mm

## CR Technology, Inc

📍 55 Chase St. Methuen,  
Massachusetts 01844

✉ sales@crtechinc.com

☎ 978.681.5300

**DigiKey**

**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.