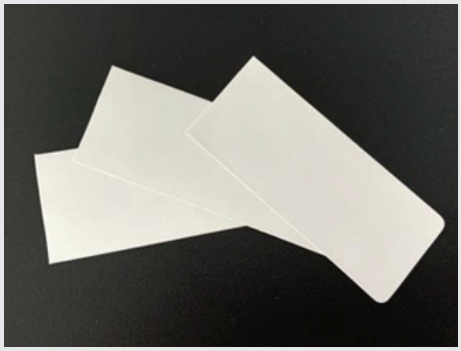
EverTherm™

Technical Data Sheet

EVSC2000FG Thermal Insulation Pad

Product Description

EVSC2000FG thermally conductive insulating pads are made of an ultra-thin fiberglass coated with a thermally conductive silicone on both sides. The overall total thickness is 0.1 mm and acts as a heat transfer as it breaks down voltage.



Color	White	Visual
Composition	Thermal conductive silicone, glass fiber	* * *
Thickness (mm)	0.25-0.5mm	ASTM D751
Density (g/cc)	2.2	ASTM D297
Hardness (Shore A)	90	ASTM D2240
Tensile strength (MPa)	35	ASTM D412
Operating Temperature°F/ °C	-50 to 200°C	* * *
Electrical		
Breakdown Voltage(AC KV/mm)	>4	ASTM D149
Dielectric constant (1000 Hz)	4.0	ASTM D150
Volume resistivity	10^{11}	ASTM D257
(ohm-meter)		
Flame Rating	V-0	UL 94
Thermal conductivity		
Thermal Conductivity(W/m-K)	5.0	ASTM D5470
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

CR Technology, Inc

55 Chase St. Methuen,
Massachusetts 01844

sales@crtechinc.com

978.681.5300