

PS-1993

Product Description:

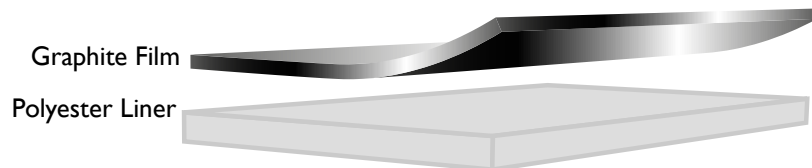
P-THERM® PS-1993 is a flexible synthetic graphite film that has been cast onto a removable polyester carrier layer. The graphite sheet is excellent for anisotropic control of heat to eliminate hot spots while providing electrical conductivity to aid in EMI shielding of electronic devices.

Construction / Properties:

Property	Value	Test Method
Color	Dark Gray	Visual
Carrier	Polyester	--
Thickness	0.032mm +/- 0.005mm	GB/T 18761-2007
Density	1.9-2.2 g/cm ³	ASTM D792
Thermal Conductivity	>1700 W/m K (x-y plane) ≥10 W/m K (z-axis)	ASTM D5470
Specific Heat at 50 C	0.85 J/g C	ASTM E1269
Thermal Diffusivity at 25 C	≥950 mm ² /s	ASTM D5470
Tensile Strength	≥20 MPa (x-y plane)	--
Flammability Rating	V-0	UL 94
Electrical Conductivity	2x10 ⁶ S/cm	--
180 degree Bendability	≥50000	ASTM D2136
Continuous Use Conditions	-20 - 80 C	GB/T 4851-1998

Features:

- Excellent Thermal In-Plane Conductivity
- Low Density Option for Control of Hot Spots
- Excellent Flexibility
- Excellent Converting Properties
- RoHS and HF Compliant



Specific tests should be performed by the end user to determine the product stability for the particular application.

For Additional Information:

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