

BS76

Low Oil-Bleeding Thermal Conductive Gel

LiPOLY BS76 is thermally conductive gel with a thermal conductivity of 3.2 W/m*K. BS76 offers excellent compression under minimal force with high recovery characteristics. This product can be supplied as standard sheets, custom die-cuts or custom molded parts.

Features-

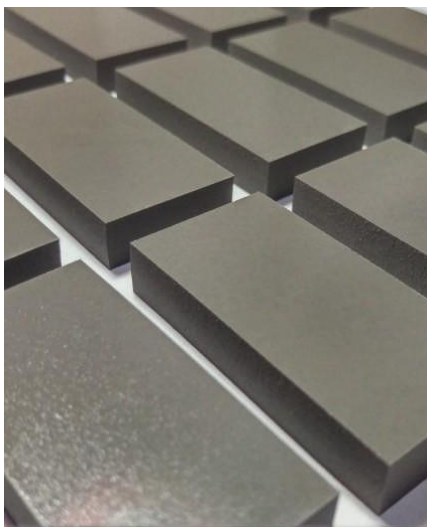
- Thermal conductivity: 3.2 W/m*K
- High compression rate
- Low thermal impedance
- Low oil-bleeding
- High recovery
- Available in a range of thicknesses

Typical Applications-

- Between CPU and heat sink.
- Between a component and heat sink
- Notebook computers
- Power supplies
- High speed mass storage drives
- Telecommunication hardware

Specifications-

- Sheet form
- Die-cut parts



Typical Properties-

PROPERTY	BS76	TEST METHOD	UNIT
Color	Dark Gray	Visual	-
Surface tack 2-side/1-side	2	-	-
Thickness	Customized	ASTM D374	mm
Density	2.8	ASTM D792	g/cm ³
Hardness	35	ASTM D2240	Shore OO
Application temperature	-60~180	-	°C
ROHS&REACH	Compliant	-	-

COMPRESSION@1.0mm

Deflection @10 psi	10	ASTM D5470 modify	%
Deflection @20 psi	15	ASTM D5470 modify	%
Deflection @30 psi	21	ASTM D5470 modify	%
Deflection @40 psi	26	ASTM D5470 modify	%
Deflection @50 psi	30	ASTM D5470 modify	%

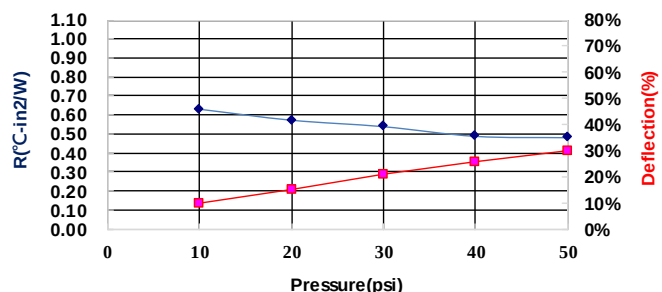
ELECTRICAL

Dielectric breakdown	8	ASTM D149	KV/mm
Surface resistivity	>10 ¹¹	ASTM D257	Ohm
Volume resistivity	>10 ¹⁰	ASTM D257	Ohm-m

THERMAL

Thermal Conductivity	3.2	ASTM D5470	W/m*K
Thermal impedance@10 psi	0.634	ASTM D5470	°C-in ² / W
Thermal impedance@20 psi	0.576	ASTM D5470	°C-in ² / W
Thermal impedance@30 psi	0.542	ASTM D5470	°C-in ² / W
Thermal impedance@40 psi	0.491	ASTM D5470	°C-in ² / W
Thermal impedance@50 psi	0.484	ASTM D5470	°C-in ² / W

Thermal Resistance vs. Pressure vs. Deflection



Note:

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