

AS400

Ultra low oil-bleeding Thermal Conductive Gel

LiPOLY AS400 is a material for gap filling. The thermal conductivity is 4.0W/m*K. The hardness is Shore 00/40, with highly flexible and compressed, and less oil-bleeding, which can avoid the electronic component polluted by silicon oil, or makes the dust stick on it, to keep it nice and clean. The product is qualified for UL and ROHS.

LiPOLY' s ability of research and development is providing our best thermal solution to customers, which can satisfy customer special requirement on advanced product.

The product is qualified for UL.



Features-

- Thermal conductivity:4.0W/m*K
- Super soft
- High compressibility
- Low-oil bleeding
- Naturally tacky and high resilience

Typical Applications-

- Notebook computers
- Heat pipe assemblies
- TV hardware
- Wireless communication hardware
- High speed mass storage drives
- Set top box · IP CAM

Specifications-

- Sheet form
- Die-cut parts

PROPERTY	AS400	TEST METHOD	UNIT
Color	Blue	Visual	-
Surface tack 2-side/1-side	2	-	-
Thickness	0.5~12	ASTM D374	mm
Density	2.6	ASTM D792	g/cm ³
Hardness	40	ASTM D2240	Shore 00
Application temperature	-60~180	-	°C
COMPRESSION			
Deflection @10 psi	8	-	%
Deflection @20 psi	18	-	%
Deflection @30 psi	26	-	%
Deflection @40 psi	33	-	%
Deflection @50 psi	39	-	%
ELECTRICAL			
Dielectric breakdown	>13	ASTM D149	KV/mm
Surface resistivity	>10 ¹¹	ASTM D257	Ohm
Volume resistivity	>10 ¹⁰	ASTM D257	Ohm-m
THERMAL			
Thermal Conductivity	4	ASTM D5470	W/m*K
Thermal impedance@10 psi	0.623	ASTM D5470	°C-in ² /W
Thermal impedance@20 psi	0.551	ASTM D5470	°C-in ² /W
Thermal impedance@30 psi	0.496	ASTM D5470	°C-in ² /W
Thermal impedance@40 psi	0.451	ASTM D5470	°C-in ² /W
Thermal impedance@50 psi	0.414	ASTM D5470	°C-in ² /W
FLAME RATING			
UL Flammability class	V-0	UL94	-

※These data are provided for reference only. Engineers are reminded to test the material in varied application.