

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 A
Application temperature	-60~180		-	°C
COMPRESSION	1.0mm	2.0mm		
Deflection @10 psi	8	25	-	%
Deflection @20 psi	18	36	-	%
Deflection @30 psi	26	45	-	%
Deflection @40 psi	33	52	-	%
Deflection @50 psi	39	57	-	%
ELECTRICA				
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.