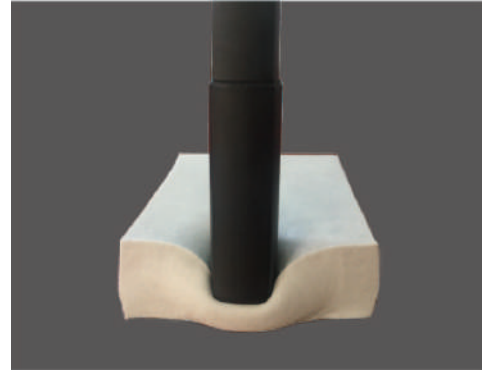


AS200

Ultra low oil-bleeding Thermal Conductive Gel

LiPOLY AS200 is a material for gap filling. The thermal conductivity is 2.0W/m*K. The hardness is Shore 00/30, with highly flexible, highly 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.



Features-

- Thermal conductivity:2.0W/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	AS200		TEST METHOD	UNIT
Color	Greyish white		Visual	-
Surface tack 2-side/1-side	2		-	-
Thickness	0.5~12		ASTM D374	mm
Density	2.2		ASTM D792	g/cm ³
Hardness	30		ASTM D2240	Shore A
Application temperature	-60~180		-	°C
COMPRESSION	1.0mm	2.0 mm		
Deflection @10 psi	5	12	-	%
Deflection @20 psi	17	23	-	%
Deflection @30 psi	26	33	-	%
Deflection @40 psi	35	40	-	%
Deflection @50 psi	39	44	-	%
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	2		ASTM D5470	W/m*K
Thermal impedance@10 psi	1.01		ASTM D5470	°C-in ² /W
Thermal impedance@20 psi	0.92		ASTM D5470	°C-in ² /W
Thermal impedance@30 psi	0.84		ASTM D5470	°C-in ² /W
Thermal impedance@40 psi	0.75		ASTM D5470	°C-in ² /W
Thermal impedance@50 psi	0.70		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.