

# AS400

## Ultra Low Oil-Bleeding Thermal Conductive Gel

LiPOLY AS400 is a low-bleed silicone-based gap filler pad used for the cooling of components which may be sensitive to silicone out-gassing. With a thermal conductivity of 4.0 W/m\*K, a hardness of 45 (Shore OO) and UL 94V-0 approval this product is ideally suited for many thermal management applications.

### Features-

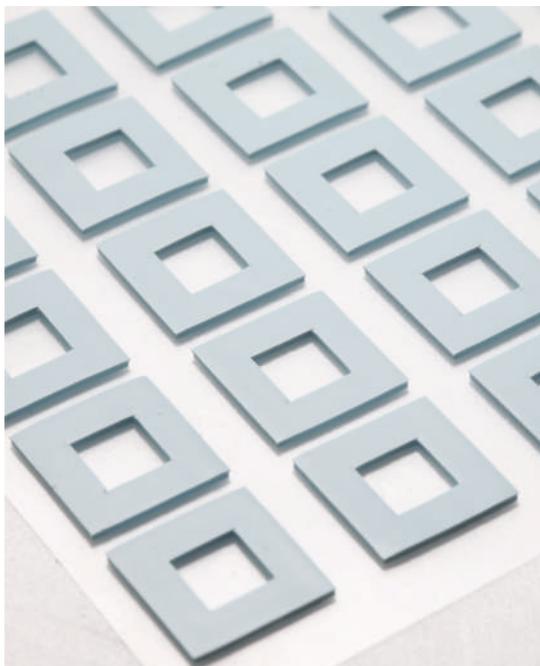
- Thermal conductivity:4.0W/m\*K
- Ultra soft
- High compressibility
- Low oil-bleeding
- Naturally tacky and high resilience

### 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



### Typical Properties-

PROPERTY	AS400	TEST METHOD	UNIT
Color	Blue	Visual	-
Surface tack 2-side/1-side	2	-	-
Thickness	Customized	ASTM D374	mm
Density	2.6	ASTM D792	g/cm <sup>3</sup>
Hardness	45	ASTM D2240	Shore OO
Application temperature	-60~180	-	°C
COMPRESSION@1.0mm			
Deflection @10 psi	9	ASTM D5470 modify	%
Deflection @20 psi	15	ASTM D5470 modify	%
Deflection @30 psi	25	ASTM D5470 modify	%
Deflection @40 psi	33	ASTM D5470 modify	%
Deflection @50 psi	39	ASTM D5470 modify	%
ELECTRICAL			
Dielectric breakdown	11	ASTM D149	KV/mm
Surface resistivity	>10 <sup>11</sup>	ASTM D257	Ohm
Volume resistivity	>10 <sup>10</sup>	ASTM D257	Ohm-m
THERMAL			
Thermal Conductivity	4.0	ASTM D5470	W/m*K
Thermal impedance@10psi	0.58	ASTM D5470	°C-in <sup>2</sup> /W
Thermal impedance@30psi	0.48	ASTM D5470	°C-in <sup>2</sup> /W
Thermal impedance@50psi	0.41	ASTM D5470	°C-in <sup>2</sup> /W
FLAME RATING			
UL Flammability class	V-0	UL94	-

### Oil Bleeding-

Size 30\*30mm<sup>2</sup>  
 Thickness 1.0mm  
 Compression 50%  
 Temperature 25°C  
 Time 120h

