

AS200

Ultra Low Oil-Bleeding Thermal Conductive Gel

LiPOLY AS200 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 2.0 W/m*K, a hardness of 35 (Shore OO and UL 94V-0 approval this product is ideally suited for many thermal management applications.

Features-

- Thermal conductivity:2.0W/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	AS200	TEST METHOD	UNIT
Color	Gray	Visual	-
Surface tack 2-side/1-side	2	-	-
Thickness	Customized	ASTM D374	mm
Density	2.2	ASTM D792	g/cm ³
Hardness	35	ASTM D2240	Shore OO
Application temperature	-60~180	-	°C
COMPRESSION@1.0mm			
Deflection @10 psi	10	ASTM D5470 modify	%
Deflection @20 psi	17	ASTM D5470 modify	%
Deflection @30 psi	26	ASTM D5470 modify	%
Deflection @40 psi	35	ASTM D5470 modify	%
Deflection @50 psi	39	ASTM D5470 modify	%
ELECTRICAL			
Dielectric breakdown	11	ASTM D149	KV/mm
Surface resistivity	>10 ¹⁰	ASTM D257	Ohm
Volume resistivity	>10 ¹¹	ASTM D257	Ohm-m
THERMAL			
Thermal Conductivity	2.0	ASTM D5470	W/m*K
Thermal impedance@10psi	0.89	ASTM D5470	°C-in ² /W
Thermal impedance@30psi	0.78	ASTM D5470	°C-in ² /W
Thermal impedance@50psi	0.70	ASTM D5470	°C-in ² /W
FLAME RATING			
UL Flammability class	V-0	UL94	-

Oil Bleeding-

Size 30*30mm²
 Thickness 1.0mm
 Compression 50%
 Temperature 25°C
 Time 120h

