

# PK605

## Thermal Conductive Gel

LiPOLY PK605 is a material for gap filling. The thermal conductivity is 6.0W/m\*K. The hardness is Shore 00/60 with highly flexible, highly compressed, highly insulating, great self-adhesive, which can cover the tolerance of design, make it very stability. It also offer customized shape molding service.

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-

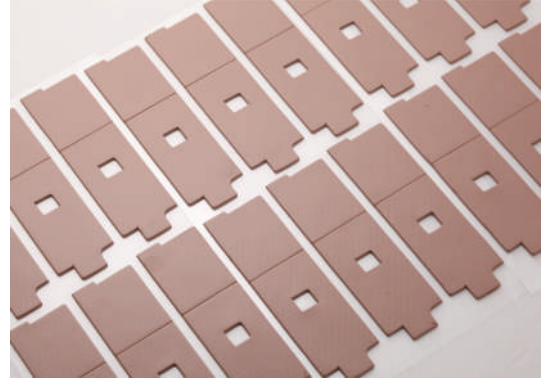
- Thermal conductivity:6.0W/m\*K
- High thermal conductivity
- Naturally tacky and high resilience
- High reliability
- Easy to assemble

### Typical Applications-

- Notebook computers
- Heat pipe assemblies
- Memory modules
- TV hardware
- Automotive electronics
- Mobile devices
- High speed mass storage drives
- Set top box · IP CAM

### Specifications-

- Sheet form
- Die-cut parts



PROPERTY	PK605		TEST METHOD	UNIT
Color	Red		Visual	-
Surface tack 2-side/1-side	2		-	
Thickness	0.5~5.0		ASTM D374	mm
Density	3.2		ASTM D792	g/cm <sup>3</sup>
Hardness	60		ASTM D2240	Shore 00
Application temperature	-60~180		-	°C
COMPRESSION	1.0mm	2.0mm		
Deflection @10 psi	8	10	-	%
Deflection @20 psi	12	20	-	%
Deflection @30 psi	14	32	-	%
Deflection @40 psi	17	40	-	%
Deflection @50 psi	19	46	-	%
ELECTRICA				
Dielectric breakdown	>10		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	6		ASTM D5470	W/m*K
Thermal impedance@10 psi	0.37		ASTM D5470	°C-in <sup>2</sup> /W
Thermal impedance@30 psi	0.32		ASTM D5470	°C-in <sup>2</sup> /W
Thermal impedance@50 psi	0.26		ASTM D5470	°C-in <sup>2</sup> /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.