

PK95

Thermal Conductive Gel

LiPOLY PK95 is a material for gap filling. The thermal conductivity is 12.0W/m*K. The hardness is Shore 00/65 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:12.0W/m*K
- High thermal conductivity
- High reliability
- Easy to assemble
- 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	PK95	TEST METHOD	UNIT
Color	Gray	Visual	-
Surface tack 2-side/1-side	2	-	-
Thickness	0.5~3.0	ASTM D374	mm
Density	3.3	ASTM D792	g/cm ³
Hardness	55	ASTM D2240	Shore 00
Application temperature	-60~180	-	°C
COMPRESSION			
Deflection @10 psi	11	-	%
Deflection @20 psi	22	-	%
Deflection @30 psi	33	-	%
Deflection @40 psi	40	-	%
Deflection @50 psi	44	-	%
ELECTRICA			
Dielectric breakdown	10	ASTM D149	KV/mm
Surface resistivity	>10 ¹¹	ASTM D257	Ohm
Volume resistivity	>10 ¹⁰	ASTM D257	Ohm-m
THERMAL			
Thermal Conductivity	12	ASTM D5470	W/m*K
Thermal impedance@10 psi	0.30	ASTM D5470	°C-in ² /W
Thermal impedance@20 psi	0.26	ASTM D5470	°C-in ² /W
Thermal impedance@30 psi	0.23	ASTM D5470	°C-in ² /W
Thermal impedance@40 psi	0.21	ASTM D5470	°C-in ² /W
Thermal impedance@50 psi	0.19	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.