

PK404

Thermal Conductive Gel Pad

LiPOLY PK404 is a material designed for gap filling. The thermal conductivity is 4.0 W/m*K. The hardness is Shore OO/30 with high flexibility, high compressibility, high insulating, great self-adhesive, which can cover the tolerance of design making it very stable. It also offers customized shape molding service.

■ FEATURES

- / Thermal conductivity: 4.0 W/m*K
- / Naturally tacky for ease of manufacture
- / Low thermal impedance
- / Available in a range of thicknesses

■ TYPICAL APPLICATION

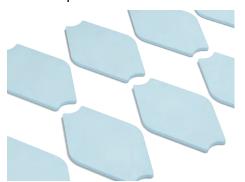
- / Notebook computers
- / Heat pipe assemblies
- / Memory modules
- / TV hardware
- / Automotive electronics
- / Mobile devices
- / High speed mass storage drives
- / Set-top box
- / IP CAM
- / 5G base station & infrastructure
- / EV electric vehicle

■ TYPICAL PROPERTIES

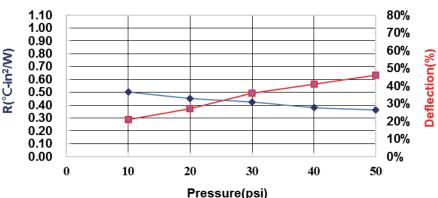
Blue 2	Visual	_
2		_
_	-	-
Customized	ASTM D374	mm
2.8	ASTM D792	g/cm³
30	ASTM D2240	Shore OO
-60~180	-	°C
Compliant	-	-
21	ASTM D5470 modify	%
27	ASTM D5470 modify	%
36	ASTM D5470 modify	%
41	ASTM D5470 modify	%
46	ASTM D5470 modify	%
ELECTRICAL		
12	ASTM D149	KV/mm
>1010	ASTM D257	Ohm
>1010	ASTM D257	Ohm-m
THERMAL		
4.0	ASTM D5470	W/m*K
0.502	ASTM D5470	°C-in²/ W
0.452	ASTM D5470	°C-in²/ W
0.423	ASTM D5470	°C-in²/ W
0.380	ASTM D5470	°C-in²/ W
0.361	ASTM D5470	°C-in²/ W
	2.8 30 -60~180 Compliant 21 27 36 41 46 12 >10¹⁰ >10¹⁰ 4.0 0.502 0.452 0.423 0.380	2.8 ASTM D792 30 ASTM D2240 -60~180 - Compliant - 21 ASTM D5470 modify 27 ASTM D5470 modify 36 ASTM D5470 modify 41 ASTM D5470 modify 46 ASTM D5470 modify 48 ASTM D5470 modify ASTM D5470 modify ASTM D5470 modify 12 ASTM D149 >10¹º ASTM D257 >10¹º ASTM D257 4.0 ASTM D257 4.0 ASTM D5470 0.502 ASTM D5470 0.452 ASTM D5470 0.423 ASTM D5470 0.380 ASTM D5470

■ SPECIFICATIONS

/ Roll form / Sheet form / Die-cut parts



Thermal Impedance vs. Pressure vs. Deflection



Note: All specifications provided by LiPOLY are subject to change without notice. The test methods used by LiPOLY are based on the TIM Tester method and ASTM D5470 test method. These test methods are used as the definition standards for LiPOLY Property values provided in this document are not for product specifications or guaranteed. This document does not guarantee the performance and quality required for the purchaser's specific purpose. The purchaser needs to evaluate and verify the safety before using the material. We strongly recommend the purchaser pre-test the product and verify the performance of the product of verification of the product and verify the performance of the product and verify the performance of the product and verification of the product and verif