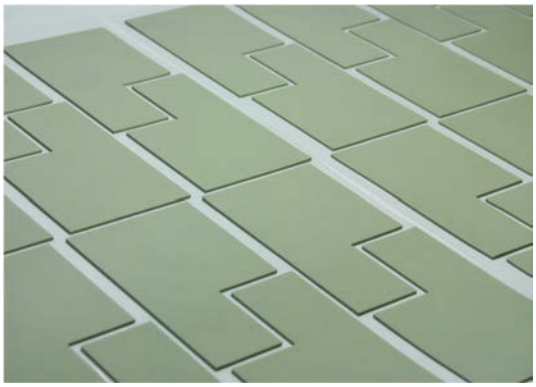
S393

Thermal Conductive Pad

LiPOLY S393 is the thermal conductive pad for gap filling, which can fit closely. The thermal conductivity is 2.2W/m*K. The material is with great self-adhesive that can fit closely with not flatness heat sink to increase the contacting area. The low stress damped vibration, and shock absorption, which is an outstanding electric insulating material.
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:2.2W/m*K
- Eazy to assemble
- High reliability
- Shock and vibrating absorber

Typical Applications-

- Between a component and heat sink
- Flat-panel displays
- LED
- HDDs,DVDs
- Heat pipe assemblies
- Memory modules
- Power supplies

Specifications-

- Sheet form
- Die-cut parts

PROPERTY	S393	TEST METHOD	UNIT
Color	Light green	Visual	-
Surface tack 2-side/1-side	2	-	-
Thickness	0.3~15	ASTM D374	mm
Density	2.4	ASTM D792	g/cm³
Hardness	15	ASTM D2240	Shore A
Application temperature	-60~200	-	℃
Tensile Strength.	80	ASTM D412	psi
COMPRESSION			
Deflection @10 psi	9	-	%
Deflection @20 psi	22	-	%
Deflection @30 psi	27	-	%
Deflection @40 psi	30	-	%
Deflection @50 psi	33	-	%
ELECTRICA			
Dielectric breakdown	10	ASTM D149	KV/mm
Surface resistivity	$>10^{10}$	ASTM D257	Ohm
Volume resistivity	$>10^{11}$	ASTM D257	Ohm-m
THERMAL			
Thermal Conductivity	2.2	ASTM D5470	W/m*K
Thermal impedance@10 psi	1.29	ASTM D5470	℃-in²/W
Thermal impedance@30 psi	1.24	ASTM D5470	℃-in²/W
Thermal impedance@50 psi	1.16	ASTM D5470	℃-in²/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.