

S282

Thermal Conductive Pad

LiPOLY S282 is the thermal conductive pad for gap filling, which can fit closely. The thermal conductivity is 1.7W/m*K. It used fiberglass cloth as the reinforcement material 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-

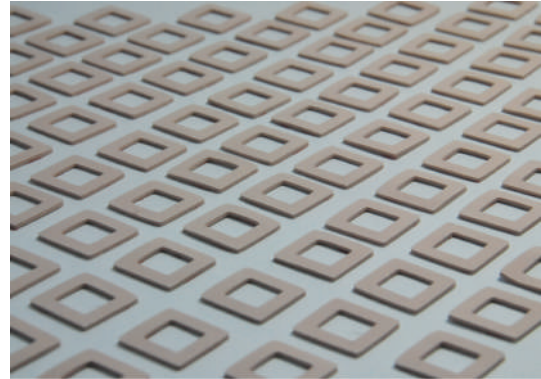
- Thermal conductivity:1.7W/m*K
- Easy to assemble
- High reliability
- Shock and vibrating absorber
- High strength

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	S282		TEST METHOD	UNIT
Color	Pink		Visual	-
Surface tack 2-side/1-side	1		-	-
Structure	Fiberglass		-	-
Thickness	0.3~15		ASTM D374	mm
Density	2.1		ASTM D792	g/cm3
Hardness	4		ASTM D2240	Shore A
Application temperature	-60~200		-	°C
Tensile Strength.	150		ASTM D412	Psi
COMPRESSION	1.0mm	2.0mm		
Deflection @10 psi	3	11	-	%
Deflection @20 psi	6	24	-	%
Deflection @30 psi	10	30	-	%
Deflection @40 psi	15	33	-	%
Deflection @50 psi	18	38	-	%
ELECTRICA				
Dielectric breakdown	>15		ASTM D149	KV/mm
Surface resistivity	>10 ¹⁰		ASTM D257	Ohm-m
Volume resistivity	>10 ¹¹		ASTM D257	Ohm-m
THERMAL				
Thermal Conductivity	1.7		ASTM D5470	W/m*K
Thermal impedance@10 psi	1.77		ASTM D5470	°C-in ² /W
Thermal impedance@30 psi	1.69		ASTM D5470	°C-in ² /W
Thermal impedance@50 psi	1.64		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.