

Li98P/Liv2 Thermal Tape

REACH Compliant

RoHS Compliant

UL Compliant

Features

- High voltage resistance
- Good adhesive
- Great reliability
- Easy to assemble
- Customization services for different industries

Applications

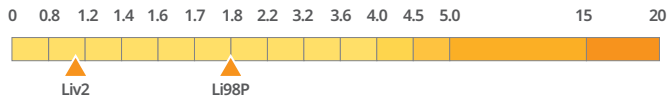
Electronic components - Electric Vehicles, 5G, Autopilot System, Mobile Phone, AIOT, HPC (High Performance Computing), Server, IC, CPU, MOS, LED, Mother Board, Power Supply, Heat Sink, LCD-TV, Notebook, PC, Telecom Device, Wireless Hub, DDR II Module, etc.

Storage

T-global guarantees a 6 month shelf life at maximum continuous storage. Storage temperature should under 25°C to maintain controlled adhesion to the liner.

Properties

Thermal Conductivity : 1.8(Li98P) / 1.1(Liv2) W/mK



Properties	Li98P		Liv2		Unit	Tolerance	Test Method
Thermal Conductivity	1.8	1.8	1.1	1.1	W/mK	±10%	ASTM D5470
Thickness	0.125	0.14	0.15	0.25	mm	-	ASTM D374
Color	White				-	-	Visual
Reinforcement Carrier	Polyimide		Fiberglass Mesh		-	-	-
Continuous Working Temperature	-30~+120				°C	-	-
Short time use temperature (30sec)	250	250	180	180	°C	-	-
Density	1.3	1.2	1.85	1.85	g/cm ³	-	ASTM D792
Tensile strength	500	600	200	400	psi	-	ASTM D412
Glass Transition temperature	-25	-25	-30	-30	°C	-	-
Initial Tack	15	15	11	10	cm	-	PSTC-6
Lap Shear Strength	63	62	60	60	N/cm ²	-	ASTM D1002
Die Shear Strength@25° C	115	115	120	120	N/cm ²	-	-
Die Shear Strength@80° C	66	64	69	69	N/cm ²	-	-
Holding Power 1000g@25° C using 1 in ²	>10000				min	-	PSTC-7
Holding Power 1000g@80° C using 1 in ²	>10000				min	-	PSTC-7
90° Peeling Strength (Aluminum)	>10	>10	15	16	N/in	-	ASTM D3330
Dielectric Breakdown Voltage (AC)	4.1	5.1	2.1	3.1	KV	±10%	ASTM D149
Dielectric Breakdown Voltage (DC)	5.1	6.1	3.1	4.1	KV	±10%	ASTM D149
Thermal Impedance@10psi	0.78	0.87	0.76	1.26	°C-in ² /W	-	ASTM D5470
Thermal Impedance@30psi	0.75	0.81	0.70	1.12	°C-in ² /W	-	ASTM D5470
Thermal Impedance@50psi	0.73	0.79	0.63	1.07	°C-in ² /W	-	ASTM D5470
Flame Rating	V-0				-	-	UL94

Pre-cut for different shapes

Roll type is available