

Li98 Thermal Tape

REACH Compliant | RoHS Compliant

Features

- Good adhesion
- Great reliability
- Cost effective with great performance
- Easy to assemble
- Customization services for different industries

Applications

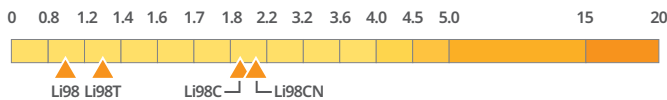
Electronic components - Electric Vehicles, 5G, Autopilot System, Mobile Phone, AIOT, HPC (High Performance Computing), Server, IC, CPU, MOS, LED, Mother Board, Power Supply, Heat Sink, LCD-TV, Notebook, PC, Telecom Device, Wireless Hub, DDR II Module, etc.

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(Li98) / 1.3(Li98T) / 1.9(Li98C) / 2.1(Li98CN) W/mK



Properties	Li98	Li98T	Li98C	Li98CN	Unit	Tolerance	Test Method		
Thermal Conductivity	1	1.3	1.9	2.1	W/mK	±10%	ASTM D5470		
Thickness	0.15	0.25	0.11	0.15	mm	-	ASTM D374		
Color	White						-	Visual	
Reinforcement Carrier	Fiberglass mesh	PET	Fiberglass mesh	-	-	-	-		
Continuous Working Temperature	-30~+120	-60~+120	-30~+120		° C	-	-		
Short time use temperature (30sec)	200						° C	-	
Density	1.85	1.6	1.8	1.8	1.8	g/cm ³	-	ASTM D792	
Tensile strength	200	400	400	200	400	-	psi	-	ASTM D412
Glass Transition temperature	-30	-30	-	-27	-27	-30	° C	-	-
Initial Tack	10	8	10	14	12	15	cm	-	PSTC-6
Lap Shear Strength	61	60	55	50	55	55	N/cm ²	-	ASTM D1002
Die Shear Strength@25° C	120	105	109	100	100	100	N/cm ²	-	-
Die Shear Strength@80° C	69	60	68	68	55	55	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	>12	>12	>6	>8	>8	N/in	-	ASTM D3330
Dielectric Breakdown Voltage (AC)	2	3.1	4.1	2	3.1	5.1	KV	±10%	ASTM D149
Dielectric Breakdown Voltage (DC)	3.1	4.1	5.1	3.1	4.1	6.1	KV	±10%	ASTM D149
Thermal Impedance@10psi	0.93	1.26	0.63	0.64	0.89	0.73	° C-in ² /W	-	ASTM D5470
Thermal Impedance@30psi	0.76	1.05	0.60	0.60	0.85	0.68	° C-in ² /W	-	ASTM D5470
Thermal Impedance@50psi	0.61	1.06	0.59	0.53	0.87	0.66	° C-in ² /W	-	ASTM D5470

Pre-cut for different shapes

Roll type is available