

# Li98

## Thermal Tape



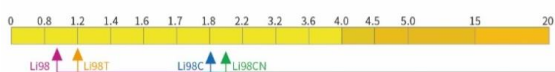
### Features

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

### Applications

- Electronic components: IC, CPU, MOS, LED,
- Mother Board, Power Supply, Heat Sink, LCD-TV,
- Notebook, PC, Telecom Device, Wireless Hub,
- DDR II Module, DVD Applications, Hand-set Applications etc.

Properties ◆ REACH Compliant ◆ RoHS Compliant



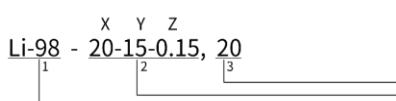
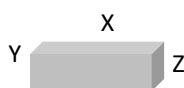
Li98 Thermal Conductivity : 0.95 W/m.K  
 Li98T Thermal Conductivity : 1.2 W/m.K  
 Li98C Thermal Conductivity : 1.8 W/m.K  
 Li98CN Thermal Conductivity : 2 W/m.K

Physical Properties	Li 98		Li98T	Li 98C		Li 98CN	Unit	Tolerance	Test Method
Thermal Conductivity	0.95	0.95	1.2	1.8	1.8	2	W / mK	±10%	ASTM D5470
Thickness	0.15	0.25	0.11	0.15	0.25	0.18	mm	-	ASTM D374
Color	White						-	-	Visual
Reinforcement Carrier	Fiberglass mesh		PET	Fiberglass mesh		-	-	-	-
Continuous Working Temperature	-30~+120	-30~+120	-60~+120	-30~+120	-30~+120	-30~+120	°C	-	-
Short time use temperature (30sec)	200	200	200	200	200	200	°C	-	-
Density	1.85	1.85	1.6	1.8	1.8	1.8	g / cm <sup>3</sup>	-	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	61	60	55	50	55	N / cm <sup>2</sup>	-	ASTM D1002
Die Shear Strength@25°C	120	120	105	109	100	100	N / cm <sup>2</sup>	-	-
Die Shear Strength@80°C	69	69	60	68	68	55	N / cm <sup>2</sup>	-	-
Holding Power 1000g@25°C using 1 in <sup>2</sup>	>10000	>10000	>10000	>10000	>10000	>10000	min	-	PSTC-7
Holding Power 1000g@80°C using 1 in <sup>2</sup>	>10000	>10000	>10000	>10000	>10000	>10000	min	-	PSTC-7
90° Peeling Strength (aluminum)	>10	>12	>12	>6	>8	>8	N / in	-	ASTM D3330
Dielectric Breakdown Voltage (Vac)	2	3	4	2	3	5	KV	±10%	ASTM D149
Dielectric Breakdown Voltage (Vdc)	3	4	5	3	4	6	KV	±10%	ASTM D149
Thermal Impedance@10psi	0.96	1.3	0.65	0.66	0.92	0.75	°C-in <sup>2</sup> / W	-	ASTM D5470
Thermal Impedance@30psi	0.78	1.08	0.62	0.62	0.88	0.7	°C-in <sup>2</sup> / W	-	ASTM D5470
Thermal Impedance@50psi	0.63	1.095	0.61	0.55	0.9	0.68	°C-in <sup>2</sup> / W	-	ASTM D5470

Need samples?

Pre-cut for different shapes

Roll type is available



1. Choose the P/N
2. Fill into size: X, Y, Z
3. Fill the quantity you need

T-global recommends a 6-months self life at maximum continuous storage temperature of 25°C for maintenance of controlled adhesion to the liner.

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Thermal Interface Materials: Thermal Pad, Thermal Tape, Thermal Grease, Ceramic Heat Spreader



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