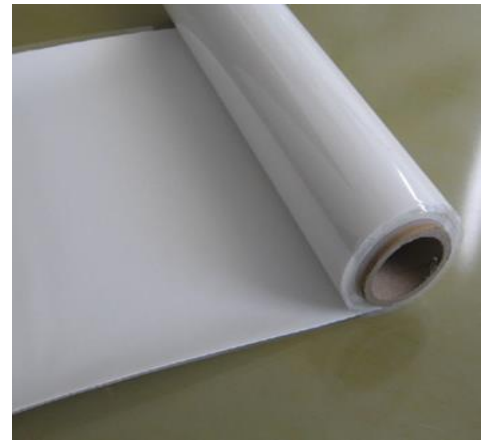


## Description

LISAT LST-TIN-525 is a thermal conductive pressure sensitive adhesive tape. It is designed to address the body between the heat source and the heat/cold source receptor body heat conduction. Without pressing, the pressure sensitive adhesive having good adhesion with a variety of substrates can form a stable long lasting adhesion to make it easy to assemble which is effective for thermal conductivity, insulation and cushioning issue. It has good rebound and is effective for curved part adhesive surface portion and effectively prevent the curved part of a tilt.



## Features and Benefits

- LTI\* : 0.000621 K-m<sup>2</sup>/W (@50 psi)
- Good Thermal Conductivity
- Low Mounting Pressure
- Low Thermal Resistance
- High Electrical Insulation
- Good Rebound Resistance & Flexibility
- Environment Friendly & Good Weatherability

\* = Low Thermal Impedance

## Typical Applications

- @ Consumer Electronics
- @ LED Lighting/Lamp
- @ Storage Devices
- @ Communication Equipment
- @ Power Semiconductor
- @ Security Equipment
- @ Network Terminal
- @ Printer

## Properties

Note : Below technical data and information should be thought as typical or representative only and should not be use for specification purpose.

### TYPICAL PROPERTIES OF THERMAL INSULATOR LST-TIP-525

PROPERTY	IMPERIAL VALUE		METRIC VALUE		REFERENT STANDARD		
Color	White		White		Visual		
Reinforcement Carrier	Fiberglass		Fiberglass		N/A		
Thickness (mils)/(mm)	6	10	0.15	0.25	ASTM D374		
Lap Shear @ 180°C (N/mm)	1.1	1.3	1.1	1.3	ASTM D1000		
Tensile Strength (psi)/(Mpa)	1000		7.39		ASTM D412		
Continous Use Temp (°F)/(°C)	-14 to 120		-10 to 80		N/A		
<b>ELECTRICAL</b>							
Dielectric Breakdown Voltage (Vac)	7000		7000		ASTM D149		
Volume Resistivity (Ω-meter)	1.1x10 <sup>12</sup>		1.1x10 <sup>12</sup>		ASTM D149		
Flame Rating	V-O		V-O		UL94		
<b>THERMAL</b>							
Thermal Conductivity (W/m-K)	1.0		1.0		ASTM5470		
<b>THERMAL PERFORMANCE vs PRESSURE</b>							
Pressure (psi)	2	5	10	20	30	40	50
Thermal Impedance (K-m <sup>2</sup> /W)	0.000823	0.000785	0.000758	0.000726	0.000686	0.000647	0.000621
Thermal Impedance (°C-in <sup>2</sup> /W)	1.260	1.200	1.160	1.110	1.050	0.990	0.950

Part-Number Ordering System : LST-TIN-525-x.xx-  
 Blank = Non Adhesive  
 AC = Adhesive Coated  
 Standard Thickness =  
 0.15 mm / 0.25 mm

LISAT

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