

Description

LISAT LST-TIP-610 is a good thermal conductivity material with 4.5W/mk in the series of silicon sheet material. Excellent heat dispersion, soft and elastic series silicone sheet that is able to work under low pressure. Good dielectric properties and heat resistance with UL94 V-0 Recognized. Commonly used in wireless electronics equipments, laptop or engine control unit.



Features and Benefits

- Good Thermal Conductivity
- Low Thermal Impedance
- Working under low pressure
- UL94V-0 Recognized
- Excellent dielectric and heat dissipation

Typical Applications

- @ Laptop
- @ MPU and IC
- @ Engine Control Unit
- @ Wireless Electronic Equipment
- @ Mobile Electronic Equipment

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-610

PROPERTY	METRIC VALUE	REFERENT STANDARD
Color	White	Visual
Density (g/cc)	3.1	ASTM D792
Thickness (mm)	0.5 ~ 2.5	ASTM D374
Hardness (Shore 00)	75	ASTM D2240
Application Temperature (°C)	-50 ~ 200	-
COMPRESSION		
Deflection @10 psi (%)	23%	-
Deflection @20 psi (%)	30%	-
Deflection @30 psi (%)	36%	-
Deflection @40 psi (%)	41%	-
ELECTRICAL		
Breakdown Voltage (kV/mm)	12.0	ASTM D149
Volume Resistivity (Ω.cm)	4.5 x 10 ¹⁰	ASTM D257
Flame Rating	V-0	UL94
THERMAL (1.0mm)		
Thermal Conductivity (W/m*K)	4.5	ASTM D5470
Thermal impedance @10 psi (°C in ² /W)	0.68	-
Thermal impedance @20 psi (°C in ² /W)	0.52	-
Thermal impedance @30 psi (°C in ² /W)	0.45	-

Part-Number Ordering System : LST-TIP-610-x.xx-

- Blank = Non Adhesive
- AC = Adhesive Coated
- Standard Thickness = 0.50 / 1.00 / 1.00 / 1.50 / 2.00 / 2.50 / 3.50 / 4.00 / 4.50 / 5.00 mm

LISAT

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