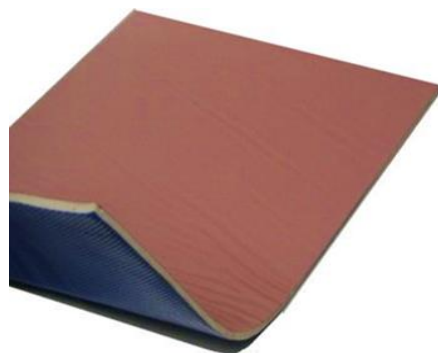


Description

LISAT LST-TIP-211, a thermally conductive material, has an average compression rate which is designed for applications that require a minimum amount of pressure on component. This product can be used as an interface where one side of the Thermal Pad is in contact with a leaded component. The conformable nature of the Thermal Pad allows the Pad to fill up the air gaps between the heat sinks or metal box or components or Printed Circuit Board.



Features and Benefits

- Thermal Conductivity of 1.3 W/m-k
- Low Thermal Impedance
- Good Electrical Insulation
- Electrically Isolating
- Soft & Good Surface Wetting Properties
- Elasticity for Reliable Long Term Work
- Low Hardness
- Wide Thickness Range

Typical Applications

- @ Telecommunication & Network Device Thermal Management Solution
- @ Computer, Multimedia & Peripherals
- @ Power Conversion
- @ CPU, GPU & VGA High Power Chip
- @ LED Heat Management Solution
- @ Display Equipment Cooling Application
- @ Automotive Electronics Cooling Solution

Properties

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

TYPICAL PROPERTIES OF THERMAL INSULATOR LST-TIP-211

PROPERTY	IMPERIAL VALUE	METRIC VALUE	REFERENT STANDARD
Color	Light Green/Pink	White/Pink	Visual
Density (g/cc)	2.90	2.90	N/A
Reinforcement Carrier	Sil-Pad	Sil-Pad	-
Thickness (mils)/(mm)	10 ~ 200	0.25 ~ 5.00	ASTM D374
Hardness (Shore 00)	30	30	ASTM D2240
Continuous Use Temp (°F)/(°C)	-49 to 392	-45 to 200	N/A
ELECTRICAL			
Dielectric Breakdown Voltage (KV/mm)	6	6	ASTM D149
Volume Resistivity (Ω-meter)	9.6×10^{12}	9.6×10^{12}	ASTM D257
Flame Rating	V-O	V-O	UL94
THERMAL			
Thermal Conductivity (W/m-K)	1.0	1.0	ASTM5470

THERMAL PERFORMANCE vs PRESSURE (1 mm)

Pressure (psi)	2	5	10	20	30	40
Thermal Impedance (K-m ² /W)	0.000845	0.000823	0.000803	0.000760	0.000735	0.000690
Thermal Impedance (°C-in ² /W)	1.31	1.28	1.24	1.18	1.14	1.07
Compression Rate (%)	5%	15%	25%	30%	34%	35%

Part-Number Ordering System : LST-TIP-211-x.xx-

Blank = Non Adhesive

AC = Adhesive Coated

Standard Thickness = 0.50 / 1.00 / 1.50 / 2.00 / 2.50 / 3.00 / 3.50 / 4.00 / 4.50 / 5.00 mm

LISAT

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