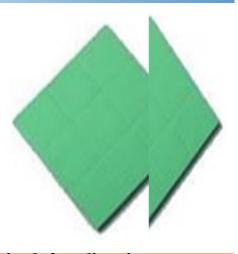


LST-TIP-215

Description

LISAT LST-TIP-215 is silicone free with excellent thermal conductivity material. This material have good softness and interface wetting property that will allow it to acheive a low interface thermal impedance at low pressure. It is an excellent thermal solution for power source, aluminium heat sink or inbetween the machine casing. Effective in eliminating air, it is able to achieve a good filling effect. LST-TIP-215 has a reinforcement with added durability to the product making it safe and easy handling of parts during assembly work at production area.



Features and Benefits

- Good Thermal Conductivity of 2.0 W/m-k
- Silicone-Free Formulation
- No Silicone Outgassing
- Elasticity for Reliable Long Term Work
- Excellent Performance of Heat Dissipation
- Wide Thickness Range

Typical Applications

- **@ Automotive Electronics**
- @ Telecommunication Equipment
- @ Hard Disk & Thumb Drive
- @ LED Lighting
- @ Consumer Electronics
- @ Security 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 THERMA	AL INSULAT	OR LST-TIP-2	15			
PROPERTY	IMPERIAL VALUE		METRIC VALUE		REFERENT STANDARD	
Color	Green		Green		Visual	
Density (g/cc)	3.00		3.00		N/A	
Thickness (mils)/(mm)	20 ~ 200		0.5 ~ 5.0		ASTM D374	
Hardness (Shore 00)	75		75		ASTM D2240	
Continous Use Temp (°F)/(°C)	-49 to 392		-45 to 200		N/A	
ELECTRICAL						
Dielectric Breakdown Vloltage (KV/mm)	>6		>6		ASTM D149	
Volume Resistivity (Ω-meter)	9.6x10 ¹²		9.6x10 ¹²		ASTM D257	
Flame Rating	V-O		V-O		UL94	
THERMAL						
Thermal Conductivity (W/m-K)	2.0		2.0		ASTM5470	
THERMAL PERFORMANCE vs PRESSURE (1 mm)						
Pressure (psi)	2	5	10	20	30	40
Thermal Impedance (°C-in²/W)	1.13	0.99	0.88	0.79	0.74	0.69
Compression Rate (%)	2%	5%	10%	14%	18%	20%

Part-Number Ordering System: LST-TIP-215-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

2870 Scott Street, Suite 101 Vista, CA 92081, U.S.A.

Tel: (1)-760-5981066 / Fax: (1)-760-5982871 / Email: alan@lisat.net / www.lisat.net