

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 in-between 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 THERMAL INSULATOR LST-TIP-215

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 Vloitage (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

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