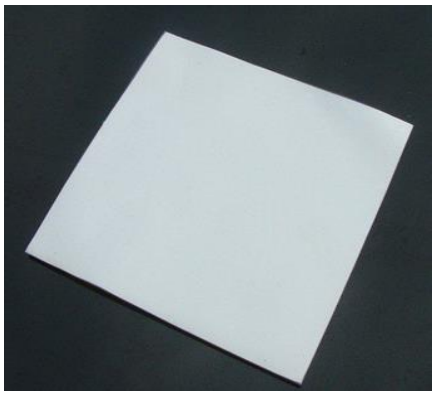
LISAT
LEADER IN SOLUTION APPLICATION TECHNOLOGY

LST-TIP-206

Description

LISAT LST-TIP-206 a Thermal Pad material, with excellent thermal conductivity and surface wetting ability, it is able to produce good performance. The material softness is ideal to achieve low interface thermal impedance at a low pressure level and yet optimazing its thermal performance. With good recoverability and ability to ensure a reliable contact, this will allow effective thermal dissipation from heat source through filled gap by removing air to its best performance.



Features and Benefits

- Thermal Conductivity of 1.5 W/m-k
- Low Thermal Impedance
- Good Electrical Insulation
- Soft & Good Surface Hardness
- Elasticity for Reliable Long Term Work
- Wide Thickness Range

Typical Applications

@ CPU, GPU & VGA High Power Chips
@ Rechargeable Battery & Solar Panel Invertor Heat Management Solution
@ LED Heat Management Solution
@ Display Equipment Cooling Application
@ Automotive Electronics Cooling Solution
@ Telecommunication & Network Device Thermal Management Solution

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-206						
PROPERTY	**IMPERIAL VALUE**		**METRIC VALUE**		**REFERENT STANDARD**	
Color	White		White		Visual	
Density (g/cc)	2.90		2.90		N/A	
Reinforcement Carrier	Fiber		Fiber		N/A	
Thickness (mils)/(mm)	10 ~ 30		0.25 ~ 0.75		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)	10		10		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)	1.5		1.5		ASTM5470	
THERMAL PERFORMANCE vs PRESSURE (1 mm)						
Pressure (psi)	2	5	10	20	30	40
Thermal Impedance (°C-in²/W)	1.14	1.01	0.92	0.84	0.82	0.78
Compression Rate (%)	3%	5%	12%	20%	26%	28%

Part-Number Ordering System : LST-TIP-206-x.xx-☐

- ☐ Blank = Non Adhesive
  AC = Adhesive Coated
- Standard Thickness = 0.25 / 0.50 / 0.75 mm

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