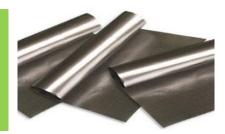


LST-GTM-040

DESCRIPTION

LISAT Series 040 Graphite Thermal Material is a material with high thermal conductivity, high flexibility and high crystallized graphite. LST-GTM-040 Graphite Thermal Material is made from carbon material by a special process. It is ideal for providing thermal heat management solution in limited space with good flexibility. It can be die-cut into customizable profile.



Features

- Thermal conductivity 1350 W/m-K
- · Good EMI shielding and absorbing
- Reliable Temperature -40 °C to 400 °C
- RoHS compliant and UL94V0 rated
- Offered in thickness 0.040 mm

Benefits

- Can be die-cut into customizable shapes
- Can be adhesive-backed for peel-and-stick
- Can be laminated with plastics, metals or foam
- Reduce skin temperature and eliminate "hot spots"
- Can replace grease, eliminate fans and heat pipes

LST-GTM-040 Characteristics

Properties					
Color	Silver Gray				
Thickness (mm)	0.040				
Density (g/cm³)	1.80				
Typical Thermal Conductivity (X - Y Direction), (W/m-K)	1,350				
TypicalThermal Conductivity (Z Direction), (W/m-K)	20				
Thermal Diffusivity (cm²/s)	9 ~ 10				
Tensil Strength (Mpa)	25				
Electrical Conductivity (S/cm)	20,000.00				
CTE (Coefficient of Thermal Expansion) (1/K)	9.3 X 10 ⁻⁷				
Operating Temperature (°C)	-40 ~ +400				
Specific Heat @50°C (J/kg-°C)	850				
RoHS Compliant	Yes				
Note: Above proportion listed information are typical or representative	only				

Part-Order Ordering System:

LST-GTM-040-P10 G A10

1 2 3

(1)

P10 : P = PET

10 = Thk 10, 30 or 50um

2

G: GTM = Graphite Thermal Material Composite Position

(3)

A10: A = Adhesive 10um 10 = Thk 5, 10 or 30um

Note: Above properties listed information are typical or representatiive only.

CONFIGURATIONS AVAILABLE:

TYPE	GTM Only	,	Adhesive Type	Laminated Type (Insulation & Adhesive)				
	G type	A 30	A 10	P30-A30	P30-A10	P10-A30	P10-A10	A50-A50 C
Front Surface	-			Polyester Tape Standard Type				
		-	-	30 µm	30 µm	10 µm	10 µm	Conductive Adhesion
Rear Surface	-	Insulative Adhesion Type					Type 50um	
		30 um	10 um	30 um	10 um	30 um	10 um	
Structure Layer	1	3	3	4	4	4	4	5
Total Thickness	40um	70um	50um	100um	80um	80um	60um	140um
Heat Resistance	400 °C	200 °C	200 °C	200 °C	200 °C	200 °C	200 °C	200 °C

LST-GTM-040 available with Polyester Tape or with a Pressure Sensitive Adhesive (PSA) available upon request.

NOTICE: information contained herein are based on our best knowledge and accurate. However, before using, user shall determine, the suitability of the product for its intended use and the user assumes all risks and liability whatsoever in connection therewith.

LISAT

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

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