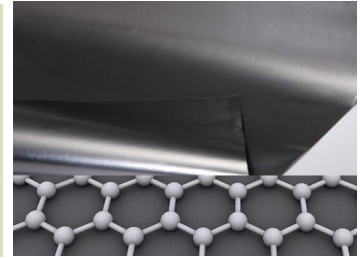


## DESCRIPTION

LISAT LST-GNM-600 is an Graphite Nano Material with high thermal conductivity and high flexibility. GNM sheet is made from carbon fiber, carbon nano-powder and heat spreader synthesized by a special process with complex structure of nano-composite materials. It is ideal for providing thermal management/heat-sinking in limited spaces or to provide supplemental heat-sinking in addition to conventional means. It can be die-cut into customizable profile.



### Features

- Engineered in-plane 500 W/m-K
- Good EMI shielding and absorbing
- Excellent for EMI sensitive part
- Reliable Temperature -40 °C to 400 °C
- RoHS compliant and UL94 rated

### Benefits

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

## LST-GNM-600 Characteristics

Properties	
Color	Dark Gray
Thickness (mm)	0.600
Operating Temperature (°C)	-40 ~ +400
Typical Thermal Conductivity (X - Y Direction), (W/m-K)	500
Typical Thermal Conductivity (Z Direction), (W/m-K)	15
Typical Electrical Resistivity (Through Thickness)	> 1,600 $\mu\Omega\text{m}$
Typical Electrical Resistivity (In-Plane)	10 $\mu\Omega\text{m}$
RoHS Compliant	Yes

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

### CONFIGURATIONS AVAILABLE:

TYPE	GNM Only	Adhesive Type		Laminated Type (Insulation & Adhesive)			
	G	A 30	A 10	P30-A30	P30-A10	P10-A30	P30-C50
Front Surface	-	-	-	Polyester (PET) Tape Standard Type			
				30 $\mu\text{m}$	30 $\mu\text{m}$	10 $\mu\text{m}$	30 $\mu\text{m}$
Rear Surface	-	Insulative Adhesion Type					Copper Tape
		30 $\mu\text{m}$	10 $\mu\text{m}$	30 $\mu\text{m}$	10 $\mu\text{m}$	30 $\mu\text{m}$	50 $\mu\text{m}$
Structure Layer	1	3	3	4	4	4	4
Total Thickness	600 $\mu\text{m}$	630 $\mu\text{m}$	610 $\mu\text{m}$	660 $\mu\text{m}$	640 $\mu\text{m}$	640 $\mu\text{m}$	680 $\mu\text{m}$
Heat Resistance	400 °C	200 °C	200 °C	200 °C	200 °C	200 °C	200 °C

GNM materials are 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

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### Part-Order Ordering System :

Note : LST-GNM-600-P10 G A10

① ② ③

① P10 : P = PET

10 = Thickness 10 or 30

② G : GNM = Graphite Nano Material Composite Position

③ A10 : A = Adhesive 10um

10 = Thickness 10 or 30um

C = Copper Tape

50 = Thickness 50um