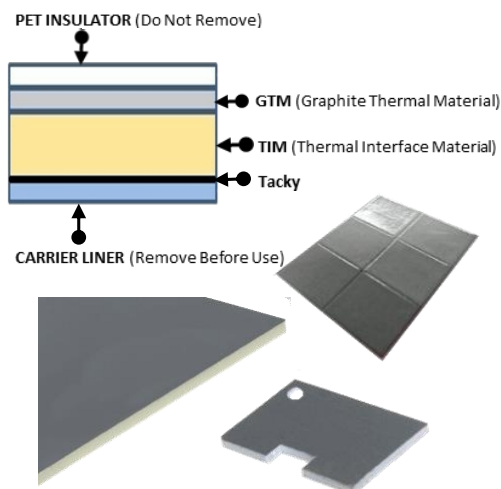


Description

LST-GBP-02503 "Graphite Bond Pad" series is a superior "Heat Spreader" Thermal Management Material with high thermal conductivity, excellent flexibility and good heat conduction. LST-GBP series is made from Highly Crystallized Graphite Material by a special process bonded with Thermal Interface Material. The conformable nature of Thermal Interface Pad furnished with good filling for gaps and the excellent heat spreader of Carbon Materials in sheet styled by a special process thus providing good thermal heat solution to fulfil limited space application.



Features

- High Thermal Conductivity on (X - Y) axis at 1,500 W/m-k
- Excellent Flexibility
- Good Heat Conduction
- Good EMI Shielding & Absorption
- Reliable Temperature
- RoHS Compliant & UL94VO Rated

Benefits

- @ Die-Cut Customizable Shapes & Sizes
- @ Adhesive-Backed for Peel-&Stick
- @ Customised as Insulator or Conductive Pad
- @ Reduce Temperature & Eliminate "Hot Spots"
- @ Tacky Surface press onto heatsink

LST-GBP-02503 Characteristics

Typical Properties	Graphite Thermal Material (GTM)	Thermal Interface Material (TIM)	Test Reference
Color	Silver Grey	Nature	Visual
Density (g/cc)	1.92	2.80	ASTM D792
Thickness (mm)	0.025	0.5 to 3.0	ASTM D374
Hardness (Shore 00)	-	40 to 60	ASTN D2240
Operating Temperture (°C)	- 40 to 150	- 60 to 200	-
Tensile Strength (Mpa)	40	-	ASTM D412
Breakdown Voltage (KV/mm)	-	≥ 3	ASTM D149
Volume Resistivity (Ω-Meter)	-	10 ¹¹	ASTM D257
Thermal Conductivity (X - Y) (W/m-K)	1,500	3	ASTM D5470
Thermal Conductivity (Z) (W/m-K)	15	-	ASTM D5470
Thermal Resistance (m ² K/W)	0.0058	0.0078	ASTM D5470
RoHS Compliant / UL 94	Yes	Yes	-

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

Part-Number Ordering System : LST-GBP-02503-x.xx-

Blank = Non Adhesive

AC = Adhesive Coated

Thickness = 0.50 / 1.00 / 1.50 / 2.00 / 2.50 / 3.00 mm

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

LISAT

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