

## Description

LISAT LST-TIG-730 Thermal Interface Grease (TIG) has good thermal conductivity with good surface wetting properties at relatively low pressures. This can help to achieve low interfacial thermal resistance. With wettability and proper viscosity, it is more suitable to fill the gap exclusion of air and reduce the interfacial thermal resistance. LST-TIG-730 are pre-cured thermal interface grease. This product is a highly conformable paste substance which requires no curing or mixing. Its unique formulation assures excellent thermal conductivity stress. LST-TIG-730 is ideal for thermal interface applications where highly variable gaps and tolerances exist in electronics components.



## Features and Benefits

- Thermal Conductivity of 3.0W/m-K
- Low Thermal Resistance
- Low Thixotropy
- Easy To Operate
- Highly Reliability For Long Term
- Suitable Screen by Brush or Others
- Excellent Mechanical & Chemical Stability

## Typical Applications

- @ Consumer Electronics
- @ Computer, Network Terminal & Peripherals
- @ Telecommunications Device
- @ LED Lighting & Products
- @ Power Supply Devices
- @ Discrete Component to Heat Spreader

## 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 GAP FILLER LST-TIG-730

PROPERTY	METRIC VALUE	REFERENT STANDARD
Color	White	Visual
Appreance	Paste Substance	Visual
Viscosity (mpa.s)	250,000	NDJ-4
Density (g/cc)	3.03	ASTM D792
Thermal Conductivity (W/m-K)	3.0	ASTM D5470
Heat Impedance (2/W)	0.835°C	ASTM D5470
Dielectric Strength (KV/mm)	≥ 5	ASTM D149
Volume Resistivity (Ω-cm)	6.2x10 <sup>11</sup>	ASTM D257
Evaporation @ 120°C 4Hrs	≤ 1%	N/A
Solid Content @ 120°C 4Hrs	99%	N/A
Bleed @ 150°C / 7Days	0.22%	N/A
Rated Temperature (°C)	-30°C to 180°C	N/A

### THERMAL PERFORMANCE vs PRESSURE

Pressure (psi)	5	10	25	50	60	80
Thermal Impedance (°C-in <sup>2</sup> /W)	0.084	0.072	0.068	0.063	0.056	0.049

Part-Number Ordering System : LST-TIG-730-xxx  
 120 = 1.2Kg  
 500 = 5.0Kg

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