

Description

LISAT LST-RTG-940 is a two-part, "Removable Thermal Gel" (RTG) series with ultra-high performance, good thermally conductive and a liquid gap filling material. It has a Thermal Conductivity of 4W/m-k. It can be cured at room temperature or by an Oven with accelerated heating. The material is an excellent solution for interfacing fragile components with high topography or stack-up tolerances to a universal heat sink or housing. When it is cured, it remains at a low modulus elastomer that helps relieve CTE stresses during thermal cycling and yet it maintains enough modulus to prevent pump out from the interface. It can be easily removed for rework.



Features and Benefits

- Thermal Conductivity : 4.0W/m-K
- Easy to Dispense & Superior Flexibility
- Excellent Slump Resistance
- Good Wet-out for low stress interface
- Good Cured & Easy To Remove For Rework
- Good Mechanical & Chemical Stability

*= Maximizes Dispensing capacity and equipment reliability

Typical Applications

- @ Automotive Electronics
- @ Computer and Peripherals
- @ Telecommunications
- @ Fiber Optic Telecommunications Equipment
- @ PCBA to Housing
- @ 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 REMOVABLE THERMAL GEL LST-RTG-940

PROPERTY	METRIC VALUE	REFERENT STANDARD
Color / Part A	Pink	Visual
Color / Part B	White	Visual
Viscosity As Mix (Pa.s)	35,200	ASTM D445
Density (g/cc)	2.85	ASTM D792
Mix Ratio	1:1	N/A
PROPERTY AS CURED		
Thermal Conductivity (W/m-K)	4.0	ASTM D5470
Post Cure Hardness (Shore 00)	70	ASTM D2240
Dielectric Strength (KV/mm)	≥ 7	ASTM D149
Volume Resistivity (Ω-cm)	10 ¹³	ASTM D257
Application Temperature (°C)	-40°C to 200°C	N/A
Thermal Resistance (m ² K/m)	0.00072	ASTM D5470
Flame Rating	V-O	UL94
CURED SCHEDULE		
Room Temperature 25°C (Minutes)	60.0	N/A
Oven Temperature 100°C (Minutes)	10.0	N/A

Part-Number Ordering System : LST-RTG-940-xxx

050	= 50cc
400	= 400cc

LISAT

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