

Tsoft3ST

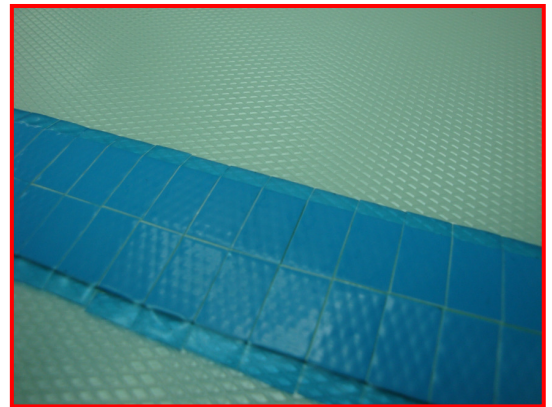
Soft and Good Performance Gap Filler

Trantherm™ Tsoft3ST Gap Filler is a soft material designed to conduct heat away from uneven surfaces. The adequate conformability allows for intimate contact over rough surfaces and eliminates air, thus provides the better handling during attach and release application.

- The specialized silicone chemistry provides good thermal stability of the base polymer with excellent softness
- **Tsoft3ST** offers good thermal conductivity in a soft silicone polymer base
- Hardness design at 57 Shore OO
- Easy to reach 30~40% compression rate
- UL 94 V-O flammability rating (UL File E316839)

■ Why the need of gap filler for thermal management?

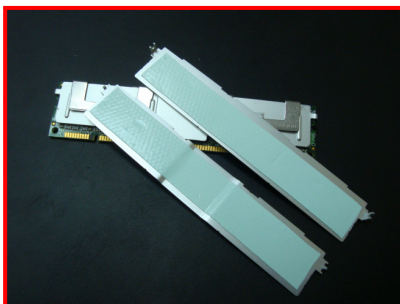
- Offer better conformability to cover different component heights
- Easy to fit diversified gap condition
- Avoid hard contact and protect IC Chips to avoid damage
- Elastomeric property to provide mechanism balance
- Self-tacky property to stick on heat sink without adhesive



■ What are the applications of Tsoft3ST?

A few of the common applications include:

- LED lamp thermal module
- DDR3 / FBDIMM memory module
- Graphic Card thermal module for VRAM ICs
- Automotive electronics
- Consumer electronics
- Power conversion

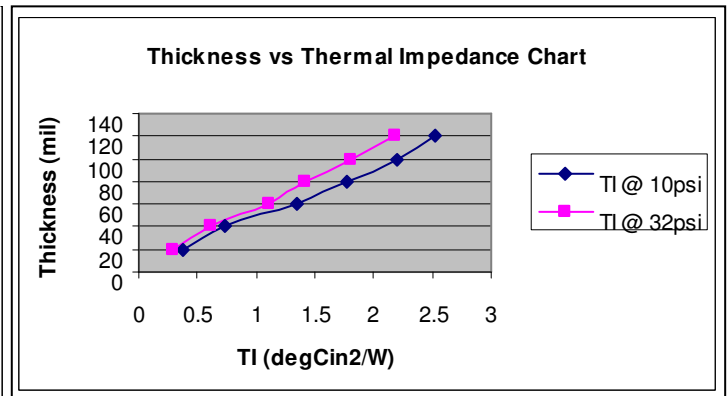
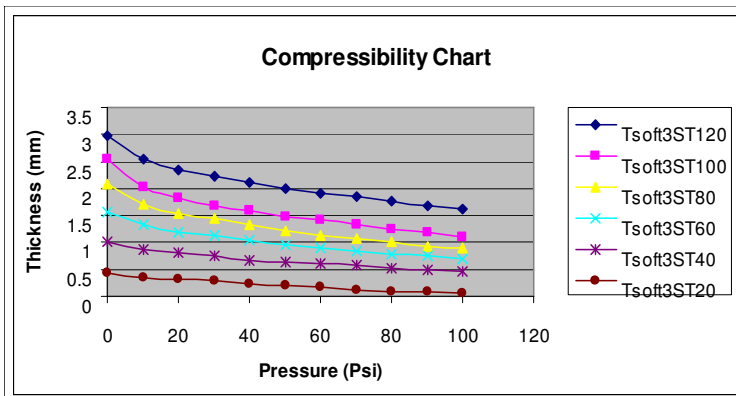


■ Typical Property and Performance Data

| PHYSICAL PROPERTIES | TEST METHOD | TYPICAL RESULTS |
|--|----------------------------------|-------------------------------|
| Color | - | Green |
| Specific Gravity | ASTM D792 | 2.43 g/cm ³ |
| Hardness (Shore 00) | ASTM D2240 | 57 |
| ELECTRICAL PROPERTIES | | |
| Dielectric Strength | ASTM D149 (Type 1) | 6 KVolts |
| Volume Resistivity | ASTM D257 | 10 ¹² Ohm-cm |
| THERMAL PROPERTIES | | |
| Thermal Conductivity | ASTM E1530 (modified ASTM D5470) | 2.47 W/m-K |
| Thermal Impedance (40mil sample) @ 32psi | ASTM E1530 (modified ASTM D5470) | 0.61 °C-in ² /Watt |
| OTHER PROPERTIES | | |
| Continuous Use Temperature | Modified UL746B | -40°C - 150°C |
| Weight Loss, 24 hrs@200 C | LAB-STM-A8A | < 1% |
| Flammability Rating | UL 94 V-0 | UL # E316839 |

Available Forms:

*Transtherm*TM Tsoft3ST gap filler is available in Roll form, Sheet Form, Standard and Special Configurations. Tsoft3ST is available in various thicknesses, standard thickness from 0.5mm ~ 3.0mm.



Contact US

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