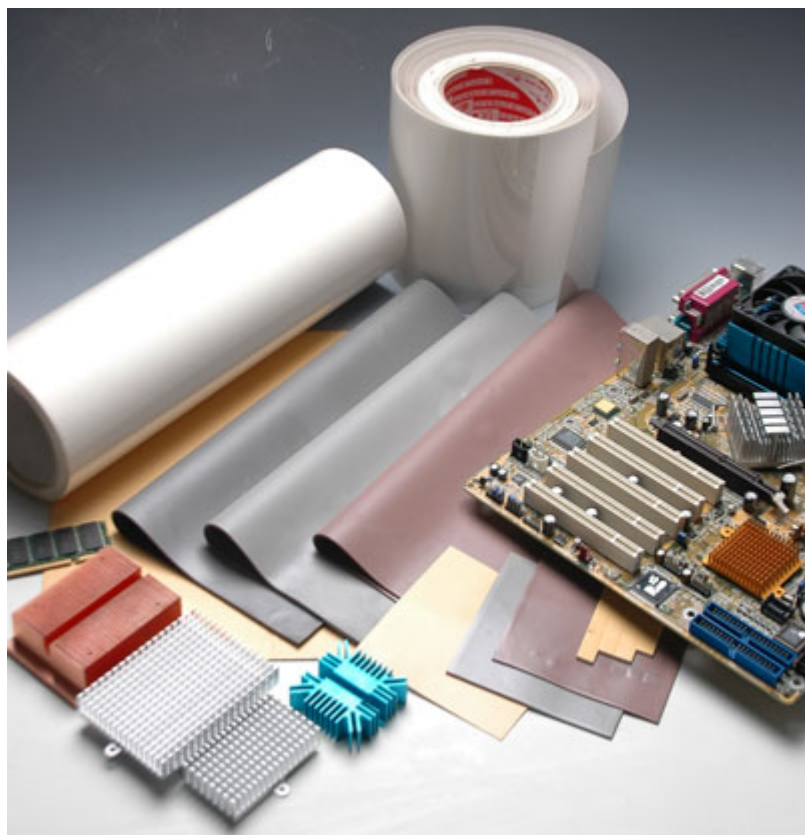


## Thermal Interface Materials

TGlobal

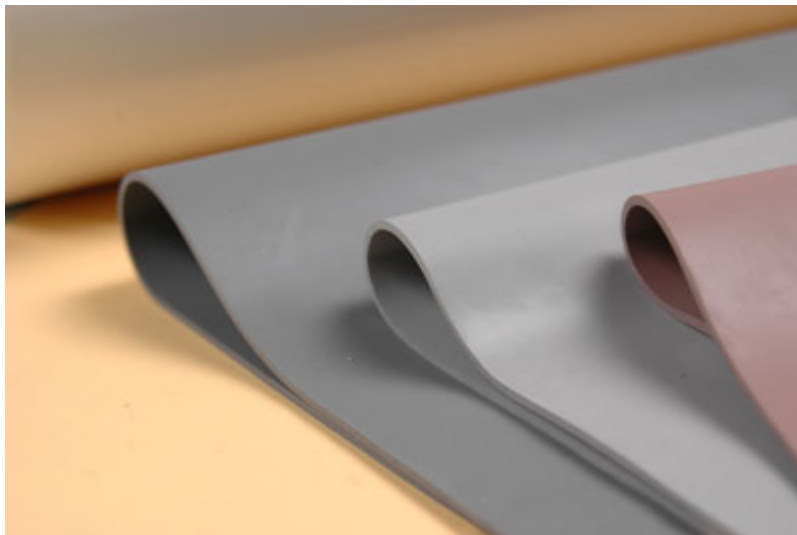
- Thermal gap fillers from 1.5 W/m K to 4.8 W/m K with and without PSA adhesive.
- Soft materials highly compressible, easy to assemble, and provide good electrical insulation.
- Shock and vibration absorber
- Typically used on electrical components, : IC, CPU and MOS, and connection between boards to enclosure walls to help heat conduction.
- Typical applications include heat dissipation from LEDs, motherboards, power supplies, LCD TVs, notebooks, hubs, hand sets, memory modules, hard drives



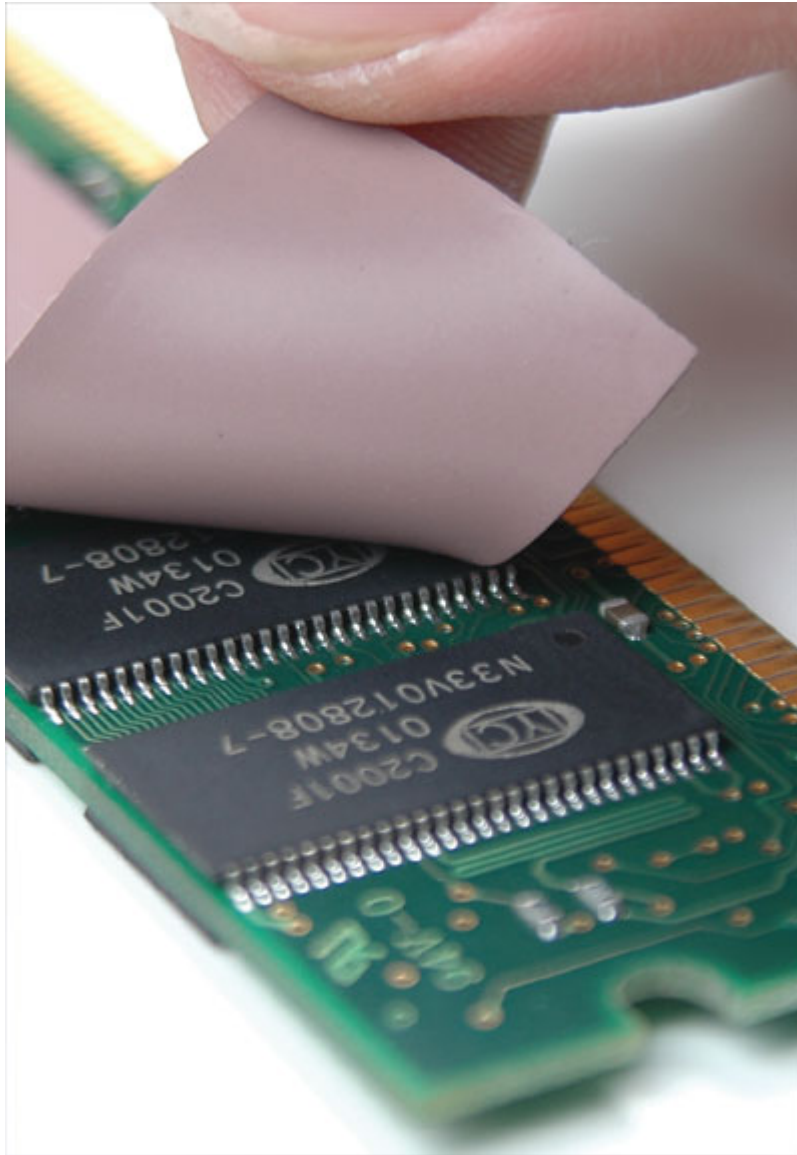
[PIC03.jpg]

Technical specifications:

| Part Number    | Width & Length (mm) | Thickness (mm) | Thermal Conductivity (W/m K) | Insulation Strength (kV / mm) | Shore Hardness A |
|----------------|---------------------|----------------|------------------------------|-------------------------------|------------------|
| L37-5-150-0.5A | 150                 | 0.5            | 1.6                          | 7                             | 15               |
| L37-5-150-1.0A | 150                 | 1.0            | 1.6                          | 7                             | 15               |
| L37-5-150-1.5A | 150                 | 1.5            | 1.6                          | 7                             | 15               |
| L37-5-150-2.0A | 150                 | 2.0            | 1.6                          | 7                             | 15               |
| H482-150-0.5A  | 150                 | 0.5            | 2.2                          | 5                             | 10               |
| H482-150-1.0A  | 150                 | 1.0            | 2.2                          | 5                             | 10               |
| H482-150-1.5A  | 150                 | 1.5            | 2.2                          | 5                             | 10               |
| H482-150-2.0A  | 150                 | 2.0            | 2.2                          | 5                             | 10               |
| L373-150-0.5A  | 150                 | 0.5            | 1.7                          | 10                            | 5                |
| L373-150-1.0A  | 150                 | 1.0            | 1.7                          | 10                            | 5                |
| L373-150-1.5A  | 150                 | 1.5            | 1.7                          | 10                            | 5                |
| L373-150-2.0A  | 150                 | 2.0            | 1.7                          | 10                            | 5                |
| L373S-150-0.5  | 150                 | 0.5            | 1.4                          | 10                            | 5                |
| L373S-150-1.0  | 150                 | 1.0            | 1.4                          | 10                            | 5                |
| L373S-150-1.5  | 150                 | 1.5            | 1.4                          | 10                            | 5                |
| L373S-150-2.0  | 150                 | 2.0            | 1.4                          | 10                            | 5                |
| H486-150-0.5A  | 150                 | 0.5            | 3.2                          | 7                             | 20               |
| H486-150-1.0A  | 150                 | 1.0            | 3.2                          | 7                             | 20               |
| H486-150-1.5A  | 150                 | 1.5            | 3.2                          | 7                             | 20               |
| H486-150-2.0A  | 150                 | 2.0            | 3.2                          | 7                             | 20               |
| H486A-150-0.5  | 150                 | 0.5            | 4.0                          | 5                             | 20               |
| H486A-150-1.0  | 150                 | 1.0            | 4.0                          | 5                             | 20               |
| H486R-150-0.5  | 150                 | 0.5            | 4.8                          | 5                             | 30               |
| H486R-150-1.0  | 150                 | 1.0            | 4.8                          | 5                             | 30               |



[PIC07.jpg]



[PIC-08.jpg]

#### Li-98 Double sided adhesive

- Thermally conductive tape used as alternative to mechanical attachments such as pins or clips for small heat sinks

#### Graphite interface material

- High thermal conductivity graphite material for interface between metal to metal contacts and for heat sinking.
- High electrical conductivity, provides benefit in EMI properties
- Thicker graphite interface materials can act as a thermal spreader material due to high in plane thermal conductivity  $>140 \text{ W/m K}$
- Grade 100 has density of  $1 \text{ g / cubic cm}$ , and grade 165 is  $1.65 \text{ g/ cubic cm}$  for improved thermal conductivity
- A – adhesive option one side, P is electrical insulation coating
- Operating temperature  $-50$  to  $+150 \text{ degC}$  across range

| Part Number         | Width & Length (mm) | Thickness (mm) | Thermal conductivity, z-axis (W/m K) |
|---------------------|---------------------|----------------|--------------------------------------|
| T62-150-013-165G    | 150                 | 0.13           | 20                                   |
| T621-150-016-165GA  | 150                 | 0.16           | 15                                   |
| T622-150-020-165GAP | 150                 | 0.20           | 5                                    |
| T62-150-025-165G    | 150                 | 0.25           | 20                                   |
| T62-150-025-100G    | 150                 | 0.25           | 20                                   |
| T62-150-025-100GA   | 150                 | 0.25           | 15                                   |
| T62-150-025-165GP   | 150                 | 0.25           | 5                                    |
| T62-150-050-165G    | 150                 | 0.50           | 20                                   |
| T62-150-050-165GP   | 150                 | 0.50           | 5                                    |
| T62-150-050-100G    | 150                 | 0.50           | 20                                   |
| T62-150-050-100GA   | 150                 | 0.50           | 15                                   |

[T62 Graphite.jpg]

