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elektronikai alkatrész áruház

**EN:** This Datasheet is presented by the manufacturer.

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## Thermal Interface Materials

TGlobal

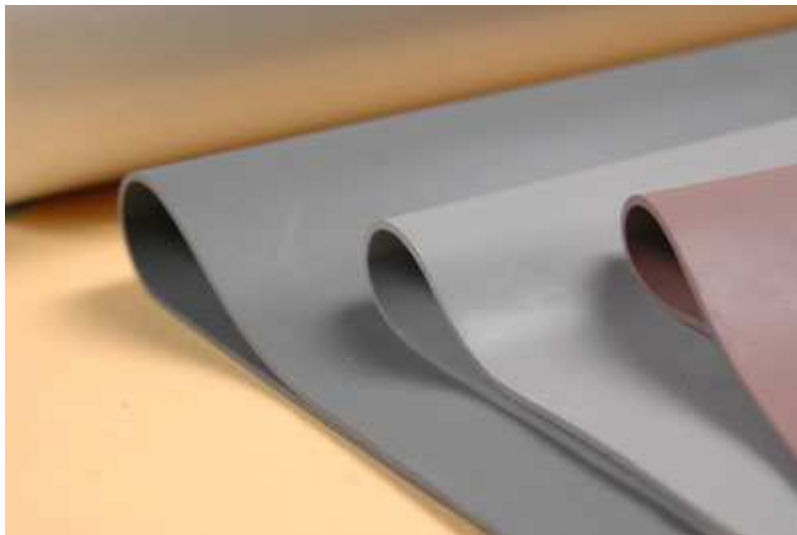
- Thermal gap fillers from 1.5 W/m K to 4.8 W/m K with and without PSA adhesive.
- Soft materials highly compressible, easy to assemble, and provide good electrical insulation.
- Shock and vibration absorber
- Typically used on electrical components, : IC, CPU and MOS, and connection between boards to 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  $>140$  W/m K
- Grade 100 has density of 1 g / cubic cm, and grade 165 is 1.65 g/ cubic cm for improved thermal conductivity
- A – adhesive option one side, P is electrical insulation coating
- Operating temperature -50 to +150 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]

