BS87-s



Exceptionally Soft Thermal Conductive Gel Pad

LiPOLY BS87-s is an ultra-soft thermally conductive gel pad with a thermal conductivity of 3.0 W/m*K.BS87-s offers excellent compression under minimal force with high recovery characteristics. This product can be supplied as standard sheets, custom die-cuts or custom molded parts.

FEATURES

- / Thermal conductivity: 3.0 W/m*K
- / High compression rate
- / Low thermal impedance
- / High recovery
- / Available in a range of thicknesses

TYPICAL APPLICATION

- / Between CPU and heat sink
- / Between a component and
- heat sink / Notebook computers
- / Power supplies
- / High speed mass storage drives
- / Telecommunication hardware
- / 5G base station & infrastructure
- / EV electric vehicle

SPECIFICATIONS

/ Roll form / Sheet form / Die-cut parts





TYPICAL PROPERTIES

| BS87-s | TEST METHOD | UNIT |
|------------|---|--|
| Gray | Visual | - |
| 2 | - | - |
| Customized | ASTM D374 | mm |
| 2.8 | ASTM D792 | g/cm³ |
| 10 | ASTM D2240 | Shore OO |
| -60~180 | - | °C |
| Compliant | - | - |
| | | |
| 42 | ASTM D5470 modify | % |
| 54 | ASTM D5470 modify | % |
| 62 | ASTM D5470 modify | % |
| 67 | ASTM D5470 modify | % |
| 71 | ASTM D5470 modify | % |
| | | |
| 12 | ASTM D149 | KV/mm |
| >1011 | ASTM D257 | Ohm |
| >1010 | ASTM D257 | Ohm-m |
| | | |
| 3.0 | ASTM D5470 | W/m*K |
| 0.502 | ASTM D5470 | °C-in²/ W |
| 0.433 | ASTM D5470 | °C-in²/ W |
| 0.374 | ASTM D5470 | °C-in²/ W |
| 0.332 | ASTM D5470 | °C-in²/ W |
| | | |
| | Gray 2 Customized 2.8 10 -60~180 Compliant 42 54 62 67 71 62 67 71 2 12 >10 ¹¹ >10 ¹⁰ 3.0 0.502 0.433 0.374 | Gray Visual 2 - Customized ASTM D374 2.8 ASTM D792 10 ASTM D2240 -60~180 - compliant - 42 ASTM D5470 modify 62 ASTM D5470 modify 62 ASTM D5470 modify 62 ASTM D5470 modify 67 ASTM D5470 modify 67 ASTM D5470 modify 71 ASTM D5470 modify 71 ASTM D5470 modify 12 ASTM D5470 modify 12 ASTM D5470 modify 3.0 ASTM D257 3.0 ASTM D257 3.0 ASTM D5470 0.502 ASTM D5470 0.433 ASTM D5470 0.374 ASTM D5470 |

Thermal Resistance vs. Pressure vs. Deflection



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