



Cactus® Double Coated Thermally Conductive Tape

Technical Data Sheet No. C265F

Product Information

Cactus® Double Coated thermally conductive pressure sensitive tape C265F is a thermally conductive tape and forms an excellent heat sink interface. Its high performance adhesive coating enables high bonding strength and long term tolerance to heat variation. This product is a UL94-V1 approved item.

Composition & Physical Properties

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|-----------------------------------|------------------------------|--|---|
| Adhesive System | : Thermally conductive | Tape Thickness | : 6.3 mil (0.16 ± 0.02 mm) |
| Carrier | : Special Fabric | Tack | : J Dow No. 7 |
| Liner Thickness | : 110 g/m ² (#74) | Peel Adhesion: (PSTC-3) | |
| | | Room Temp Dwell @ 20 min: | 56.3 oz/in (1.6kg/25mm) |
| | | 149°F Dwell @ 20 min: | 63.4 oz/in (1.8kg/25mm) |
| | | Room Temp Dwell @ 72 hrs: | 63.4 oz/in (1.8kg/25mm) |
| | | 149°F Dwell @ 72 hrs: | 70.4 oz/in (2.0kg/25mm) |
| Liner Material | : PE Laminated Kraft Paper | Shear Strength (PSTC-7) | : Over 48 hrs with 35.2 oz loading on 1" x 1" (1.0kg/25mm x 25mm) |
| Liner Color | : White | Heat Resistance (PSTC-7) | : Over 24 hrs with 17.6 oz loading on 25mm x 25mm at 140°F (60°C) |
| Tape Color | : White | Service Temperature | : -22°F ~ 248°F (-30°C ~ 120°C) |
| Thermal Conductivity (ASTM D5470) | : 1.4 W/m-K | Thermal Impedance Coefficient (ASTM D5470) | : 0.1 °C-in ² / W |
| | | Flame retardant | UL 94 V1 |

Applications

- Specifically developed as an effective thermal interface to provide heat sink attachment solutions for plastic components.
- Ideal for use to adhere components to heat sinks, metal chassis walls or other thermal management materials.
- Other heat transferring applications in electronic and electric appliances.

Disclaimer and Limitation of Liability

In no event shall V. Hirmark USA and its employees be liable for any direct or indirect, special, incidental or consequential damage resulting from the use of this product. Therefore, it is strongly recommended that the user performs a test application first to determine the suitability of this product for the intended method of application.