



Cactus® Double Coated Thermally Conductive Tape

Technical Data Sheet No. C6810

Product Information

Cactus® Double Coated thermally conductive pressure sensitive tape C6810 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.

Composition & Physical Properties

Adhesive System	: Thermally conductive	Tape Thickness	: 6.3 mil (0.16 ± 0.01 mm)
Carrier	: Aluminum foil	Tack	: J. Dow No. 12
Liner Thickness	: 4 mil	Peel Adhesion: (PSTC-3)	
		Room Temp Dwell @ 20 min:	56.3 oz/in (1.6kg/25mm)
		149°F Dwell @ 20 min:	70.4 oz/in (2.0kg/25mm)
		Room Temp Dwell @ 72 hrs:	63.4 oz/in (1.8kg/25mm)
		149°F Dwell @ 72 hrs:	77.4 oz/in (2.2kg/25mm)
Liner Material	: PE film	Shear Strength (PSTC-7)	: Over 48 hrs with 35.2 oz loading on 1" x 1" (1.0kg/25mm x 25mm)
Liner Color	: Blue	Heat Resistance	: Over 24 hrs with 17.6 oz loading on 25mm x 25mm at 176°F (80°C)
Tape Color	: White	Service Temperature	: -22°F ~ 212°F (-30°C ~ 100°C)
Thermal Conductivity (ASTM D5470)	: 2.0 W/m-K	Thermal Impedance Coefficient (ASTM D5470)	: 0.15 °C-in ² / W

Applications

- This tape is specially developed to provide an effective thermal interface and heat sink attachment method for plastic component packages.
- Ideal for use to adhere components to heat sinks, metal chassis walls.
- Other heat transferring applications in electronic and electric appliances.

Disclaimer and Limitation of Liability

In no event shall V. Himark 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.