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3M™ Thermally Conductive Adhesive Transfer Tape 8805

3M ID AM000002494



3M™ Thermally Conductive Adhesive Transfer Tape 8805 is designed to provide a preferential heat-transfer path between heat-generating components and heat sinks or other cooling devices (e.g., fans, heat spreaders or heat pipes)

Features and Benefits

- High mechanical strength
- Improved surface wet-out for rough surface/LSE substrates
- Excellent shock performance
- Wider and longer roll is available
- Halogen free
- Ideal for thin bonding applications
- Good thermal transfer

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Product Attributes

Adhesion to SS	1.59 kg/in (90 Degree Peel) Aging at 70 Degree C for 72 hrs
Application	Battery Thermal Management , Flex Bonding , Heatsink-Thermal Interface Attachment , Heatsink-Thermal Interface-Non Bonding , IC Packaging Heat Conduction , LED Lighting Thermal Management , Thermal Interface-Damping-Cushioning
Application Category	Bonding , Thermal Interface Materials
Carrier Type	No Carrier
Color	White
Dielectric Strength	26kV/mm
Easy Release Top Liner Thickness	1.5 mil
Easy Release Top Liner Thickness (metric)	0.0375 mm
Easy Release Top Liner Type	Clear PET Liner
Liner Type	Double
Operating Temperature Range (Celsius) Long Term	(Weeks-Months) 90 to 100 Degree C
Operating Temperature Range (Celsius) Short Term	(Hours-Days) 125 to 150 Degree C

Product Series	8805
Thermal Conductivity	0.60 W/m-K
Thermal Impedance	0.48 (Degree C)-in ² /W
Thermal Impedance (metric)	3.1 (Degree C)-cm ² /W
Tight Release Liner Thickness	2.0 mil
Tight Release Liner Thickness (metric)	0.050 mm
Tight Release Liner Type	Blue PET Liner
Total Tape Thickness without Liner	5.0 Mil
Total Tape Thickness without Liner (metric)	0.125 mm

Product Disclaimer

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