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## 3M™ Thermally Conductive Interface Tape 8904-02

3M ID AM000002536



3M™ Thermally Conductive Interface Tape 8904-02 is a PSA with thermally conductive ceramic particles and flame retardant fillers. Specially designed for good converting ability, handling and re-workability through the introduction of thin PET carrier.

**Features and Benefits**

- Good thermal conductivity (>1.5W/m-K)
- Excellent dielectric performance
- Vibration damping
- Mechanical fastening such as clamp, bracket, screw can be used in parallel with this thermal conductive tape
- Good converting, handling and reworkability
- Excellent wet-out or conformability to many surface conditions
- Good and reliable adhesion performance against Al and SUS

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Product Attributes

<b>Adhesion to SS</b>	2.00 kg/in (90 Degree Peel) Aging at 70 Degree C for 72 hrs
<b>Application</b>	Battery Thermal Management, Heatsink-Thermal Interface Attachment, Heatsink-Thermal Interface Material, LED Lighting Thermal Management, Thermal Interface-Damping-Cushioning
<b>Application Category</b>	Thermal Interface Materials
<b>Carrier Type</b>	PET Film
<b>Color</b>	White (slightly gray dotted)
<b>Dielectric Strength</b>	15.0 kV/mm
<b>Easy Release Top Liner Thickness</b>	3.0 mil
<b>Easy Release Top Liner Thickness (metric)</b>	0.075 mm
<b>Easy Release Top Liner Type</b>	Clear PET Liner
<b>Flammability Rating</b>	UL 94 V-0
<b>Liner Type</b>	Single
<b>Operating Temperature Range (Celsius) Long Term</b>	(Weeks-Months) up to 80 Degree C
<b>Operating Temperature Range (Celsius) Short Term</b>	(Hours-Days) up to 90 Degree C

<b>Product Series</b>	8904-02
<b>Thermal Conductivity</b>	>1.5 W/m-K
<b>Thermal Impedance</b>	1.31 (Degree C)-in <sup>2</sup> /W
<b>Thermal Impedance (metric)</b>	8.49 (Degree C)-cm <sup>2</sup> /W
<b>Total Tape Thickness without Liner</b>	8.0 mil
<b>Total Tape Thickness without Liner (metric)</b>	0.20 mm

**Product Disclaimer**

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