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# TECHNICAL DATA SHEET

## M-100™ HEAT ACTIVATED COVER TAPE

### FOR POLYSTYRENE CARRIER TAPE

**Description :** A heat activated static dissipative Cover Tape made of polyester film. Designed for use with carrier tapes made of polystyrene.

**Dimensions :** M-100™ Cover Tape comes wound onto 3” cores, 300m in length, and is available in the following widths (denoted in mm): 5.3, 9.2, 13.3, 21.0, 21.3, 25.5, 37.5, 49.5, 65.5, & 81.5. Slitting tolerance for all widths is ± 0.1 mm. Custom widths and lengths are available upon request.

### Recommended Sealing Conditions :

Temperature:	175° – 200° C
Sealing Time:	0.1 – 1.0 seconds
Shoe Width:	0.015 – 0.020 inches
Pressure:	10 – 30 psi

Designed to perform at various temperatures and dwell times within industry standards. 175°C, 0.1 second and 10 psi are suggested initial settings for heat, dwell, and pressure. For stronger adhesion, use a combination of higher temperature, longer dwell time and/or increased pressure.

### Shelf Life and Storage:

Best if used within eighteen months  
Store tape at 70° F, ± 30°, (21°C, ± 17°C); Relative Humidity 50%, ± 30%. M100 Cover Tape should not be exposed to temperatures over 100°F (38°C.) or below 32° F (0°C).

Properties	Value	Test Method
<b>Electrical:</b>		
Surface Resistivity:	<1 x 10 <sup>11</sup> Ohms/square typical, both sides	ASTM D-257
Tribo-Electrical charge generation:	< 50 Volts	EIA-541
Static Decay 5kv:	< .1 second	Mil B-81705
<b>Strength:</b>		
Tensile Strength MD:	10,000 psi	ASTM D822A
Elongation at Break MD:	120%	ASTM D882A
<b>Peel (Range):</b>	50 grams ± 30 (see above)	EIA-481 C
<b>Clarity:</b>		
Luminous Transmittance:	>90%	ASTM D1003
Haze:	15%	ASTM D1003

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