

# UltraTape

Adhesive Tapes and Labels for Critical Environments



These unique tapes are designed for use where electrostatic discharge (ESD) and exposure to high temperature is a concern. The antistatic tapes are naturally anti-static or are treated to produce an anti-static surface to generate very low voltage during unwind and use. Available with conductive adhesive and with conductive grids embedded between strong polypropylene layers.

- **For general ESD concerns such as taping anti-static bags, packing of electronic components, medical instruments, precision mechanical equipment and splicing of films.**
- **High temperature polyimide tape with silicone adhesive can withstand temperatures to 600 F (315 C) for use during circuit board manufacturing.**
- **Available with electrical resistance of  $10^9$  Ohms/square and static charge of > 50 volts during unwind and use.**
- **ESD logo floor marking tape available to identify ESD Sensitive work area.**

Model	2118	2149	2157	6570
<b>Backing</b>	Polypropylene	Polyester	Kapton® Polyimide	Polyester
<b>Adhesive</b>	Rubber	Conductive Synthetic Rubber	Silicone	Silicone
<b>Total Thickness</b>	3.0+/- 0.3mil	5.0+/- 0.7mil	2.5+/- 0.7 mil	2.0+/- 0.5 mil
<b>Adhesion to Stainless Steel</b>	20 oz/inch minimum	24 oz/inch minimum	18 oz/inch minimum	25 oz/inch minimum
<b>Operating Temperature</b>	-40 to +130 F	-10 to +150 F	+10 to +600 F	-10 to +350 F
<b>Elongation at Break</b>	80%	80-120%	60%	90%
<b>Tensile Strength</b>	20 lbs/inch	23 lbs/inch	32 lbs/inch	25 lbs/inch
<b>Length</b>	55 yards	72 yards	36 yards	72 yards

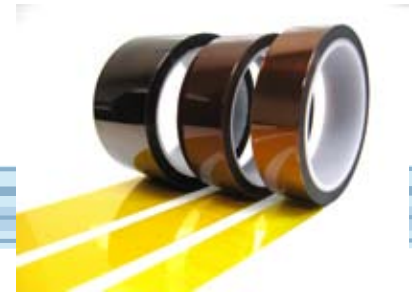
*Information above is solely intended as a guideline. Each user should conduct his own tests and analysis to determine the product's suitability for its intended use and shall assume all responsibility and liability.*

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## ESD and High Temperature



### UltraTape 0440

UltraTape's ESD Caution tape provides floor marking, wall marking, equipment marking, and even decals. It relays the important message of ESD concern. This printed PVC film is overlaminated to withstand heavy floor traffic, increase resistance to chemicals, and extend its life. Its acrylic adhesive lasts for years, is removable, provides easy repositioning, and leaves no residues.

**Colors:** Yellow with Black Print.

### UltraTape 2118

High grade anti-static tape for cleanroom use. Contains no silicone and its pure no-stretch polypropylene film provides low outgassing. No residues remain on circuit boards, plastics, metals, or glass. Charge decay time (5000V to 0V) is less than 1 second. Typical unwind static charge is 100V or less.

**Colors:** Clear (translucent brown).

### UltraTape 2149

A premium tape for circuit board conformal coatings and other circuit board applications. Surface protection tape is designed to provide maximum protection for all surfaces, whether painted, mill finished or polished. Use on stainless steel, glass, aluminum, coated metals, and plastics. Excellent outdoor performance.

**Colors:** Dark Grey.

### UltraTape 2157

This tape combines the qualities of cleanroom, high-temperature and anti-static behavior in one tape. Used to mask printed circuit boards during wave solder or hot air leveling, especially where high static charge is a concern.

**Colors:** Bronze

### UltraTape 6570

This tape generates no particulates and is recommended for use in cleanroom tape dispensers and for general desktop use. Bonds quickly to all surfaces including cleanroom paper, metal, glass, and plastics. Removes cleanly with no residues. Low metals. Standard size is 3/4" wide by 72 yards; other widths available. A high temperature tape for up to 350 F (175 C). The silicone adhesive assures no adhesive residues even at these elevated temperatures.

**Colors:** Clear (CL)