



ESD Tape Sample Kit

These unique tapes are designed for use where electrostatic discharge (ESD) 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 let everyone know to be careful in your ESD Sensitive work area.**

Model	2118	2149	2157	2159
Substrate	Polypropylene	Polyester	Polyimide	Polyimide
Adhesive	Rubber	Conductive Synthetic Rubber	Silicone	Double-Sided Silicone
Total Thickness	3.0+/- 0.3mil	5.0+/- 0.7mil	2.5+/- 0.7 mil	4.0+/- 0.5 mil
Adhesion to Stainless Steel	20 oz/inch minimum	24 oz/inch minimum	18 oz/inch minimum	20 oz/inch minimum
Operating Temperature	-40 to +130 F	10 to +150 F	+10 to +600 F	-55 to +400 F
Elongation at Break	80%	80-120%	60%	60%
Tensile Strength	20 lbs/inch	23 lbs/inch	32 lbs/inch	25 lbs/inch
Length	55 yards	72 yards	36 yards	36 yards

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.

Substrate: Polypropylene

Adhesive: Rubber

Total Thickness: 3.0 +/- 0.3mil

Adhesion to Steel: 20 oz./inch minimum

Electrical Resistance: 10⁹ Ohms/cm

Colors: Clear (Translucent Brown)

Operating Temp: -40 to + 130 F

Elongation at Break: 80%

Tensile Strength: 20 lbs/inch width

Length: 55yards

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.

Substrate: Polyester

Adhesive: Conductive Synthetic Rubber

Total Thickness: 5.0 +/- 0.7mil

Adhesion to Steel: 24 oz./inch minimum

Electrical Resistance: 50,000-100,000 Ohms/cm

Colors: Dark grey

Operating Temp: +10 to +150 F

Elongation at Break: 80-120%

Tensile Strength: 23 lbs/inch width

Length: 72 yards

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.

Substrate: Polyimide

Adhesive: Silicone

Total Thickness: 2.5 +/- 0.7 mil

Adhesion to Steel: 18 oz./inch minimum

Dielectric Strength: 7000 Volts

Colors: Bronze

Operating Temp: +10 to +600 F

Static Charge: < 150 Volts (unwind from roll)

Elongation at Break: 60%

Tensile Strength: 32 lbs/inch width

Length: 36 yards

UltraTape 2159

Double sided adhesive tape with outstanding tensile strength and thermal endurance at elevated temperatures. For continuous service the temperature range is -55 to +400 F, but higher temperatures to 600 F can be tolerated for short periods.

Substrate: Polyimide

Adhesive: Double-Sided Silicone

Total Thickness: 4.0 +/- 0.5 mil

Adhesion to Steel: 20 oz./inch minimum

Dielectric Strength: 7000 Volts

Colors: Bronze

Operating Temp: -55 to + 400 F

Temp Resistance: To 600 F short term

Elongation at Break: 60%

Tensile Strength: 25 lbs/inch width

Length: 36 yards