

# UltraTape

Adhesive Tapes and Labels for Critical Environments



These unique tapes and labels were designed specifically for use inside the Semiconductor cleanroom, especially for sealing silicon wafer shipping boxes. Operators will like the easy release from the roll, ease of handling, low static charge on unwind and excellent conformability around wafer box corners. Following our clean manufacturing process, each roll is individually wrapped in cleanroom polyethylene bags, then double bagged in packs.

- **Our Semiconductor tapes and labels adhere lightly to plastics for easy removal without residue.**
- **Our tapes and labels contain extremely low leachable metals, eliminating the concern of contamination.**
- **The Semiconductor tapes and labels leave little or no residue after storage.**
- **Tape and labels come in a variety of colors for easy part identification.**
- **Available in UltraClean where each roll is processed through our clean manufacturing process, individually inspected and individually wrapped in cleanroom polyethylene bags; and then double bagged in packs or available in our Standard version for use in less critical environments with single bag packaging.**

Model	1110	1112	1114	1153
<b>Backing</b>	Polyethylene	Polyethylene	Polyethylene	Polyethylene
<b>Adhesive</b>	Acrylic	Acrylic	Acrylic	Rubber
<b>Total Thickness</b>	5.5+/- 0.7 mil	5.5+/- 0.7 mil	5.5+/- 0.7 mil	7.0+/- 1.0 mil
<b>Adhesion to Stainless Steel</b>	35 oz/inch minimum	19 oz/inch minimum	9 oz/inch minimum	40 oz/inch minimum
<b>Operating Temperature</b>	-20 to +190 F	-40 to +250 F	-20 to +190 F	-20 to +200 F
<b>Elongation at Break</b>	450%	550%	450%	80%
<b>Tensile Strength</b>	12 lbs/inch	14 lbs/inch	9 lbs/inch	15 lbs/inch
<b>Length</b>	36 yards	36 yards	36 yards	36 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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# Semiconductor



## UltraTape 1110

This unique tape was designed specifically for silicon wafer shipping boxes. Specially formulated adhesive leaves extremely low residue or ghosting on plastic boxes, even after prolonged storage. Tests reveal that #1110 has extremely low levels of metals, halogens, and outgassing.

**Colors:** Glossy White, Red (RE), Yellow (YE), Blue (BL), Orange (OR), Green (GR), Clear (CL).

## UltraTape 1112

1112 is similar to the 1110 product. It is for applications where CLEAR is preferred. The 1112 has the same adhesive system (but different ratio of ingredients) as the 1110, and a medium density as opposed to a low density polyethylene backing. These properties give it more general uses in a cleanroom environment.

**Colors:** White (WH), Red (RE), Yellow (YE), Green (GR), Clear (CL).

## UltraTape 1114

This tape is a low tack version of our 1110/1112 wafer box product. It also works well for other applications in your cleanroom where you want removability after short term or long term applications.

**Colors:** Red (RE), Yellow (YE), Green (GR), White (WH), and Blue (BL). Other colors also available.

## Cleanroom Construction Tape

This tape replaces vinyl tape for general purpose use in the cleanroom including wafer box sealing. The rubber adhesive binds quickly to most surfaces and is considered low residue for glass, metal, and plastic. The higher adhesion level allows you to reduce your net taping costs because you can use thinner tape.

**Colors:** White (WH) 1121-038, Blue (BL) 1121-045, Yellow (YE), Green 1121-076 (GR), Black (BK) 1121-046, 2"White 1121-039, Orange (OR), Red (RE), and Clear (CL).

## UltraTape 1164

This zero residue Cleanroom Tape and adhesive has the look, feel, strength, and tack of vinyl tape, yet has much lower metals, is lead-free, and is environmentally superior. It has low stretch and adheres to, yet is removable from, all surfaces. It has a very easy release from the roll and is excellent for sealing bags, taping wafer boxes, sealing garment cuffs, taping signs to walls and equipment, and general cleanroom production and maintenance use. The adhesive lasts for years so it is excellent for long term applications.

**Colors:** White (WH)