



Wafer Box Sealing Tape Sample Kit

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



- **Adheres lightly to plastics**
- **Extremely low leachable metals**
- **Very low residues after storage**
- **Eight glossy colors**

Model	1110	1112	1114	1153
Substrate	Low density Polyethylene	Med. density Polyethylene	Low density Polyethylene	Polyethylene
Adhesive	acrylic	acrylic	acrylic	rubber
Total Thickness	5.5+/- 0.7 mil	5.5+/- 0.7 mil	5.5+/- 0.7 mil	7.0+/- 0.7 mil
Adhesion to Stainless Steel	35 oz/inch minimum	19 oz/inch minimum	9 oz/inch minimum	40 oz/inch minimum
Operating Temperature	-20 to +190 F	-40 to +250 F	-20 to +190 F	-20 to +200 F
Elongation at Break	450%	550%	450%	80%
Tensile Strength	12 lbs/inch	14 lbs/inch	12 lbs/inch	18 lbs/inch
Length	36 yards	36 yards	36 yards	36 yards

UltraTape 1110

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

Substrate: Low Density Polyethylene

Adhesive: Low Residue Acrylic

Total Thickness: 5.5 +/- 0.7 mil

Adhesion to Steel: 35 oz./inch minimum

Adhesion to Plastic: 5 oz./inch minimum

Colors: Glossy White, Red, Yellow, Blue, Black, Brown, Orange, Green, Clear

Operating Temp: -20 to + 190 F

Elongation at Break: 450%

Tensile Strength: 12 lbs/inch width

Length: 36 yards

UltraTape 1112

1112 is similar to 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.

Substrate: Medium Density Polyethylene

Adhesive: Low Residue Acrylic

Total Thickness: 5.5 +/- 0.7 mil

Adhesion to Steel: 19 oz./inch minimum

Adhesion to Plastic: 10 oz./inch minimum

Colors: White, Red, Yellow, Blue, Clear

Operating Temp: --40 to +250 F

Elongation at Break: 450%

Tensile Strength: 14 lbs/inch width

Length: 36 yards

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.

Substrate: Low Density Polyethylene

Adhesive: Acrylic

Total Thickness: 5.5 +/- 0.7 mil

Adhesion to Steel: 9 oz./inch minimum

Colors: Red, Yellow, Green. Other colors also available.

Operating Temp: -20 to + 190 F

Elongation at Break: 450%

Tensile Strength: 12 lbs/inch width

Length: 36 yards

UltraTape 1153

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.

Substrate: Polyethylene

Adhesive: Low Residue Rubber

Total Thickness: 7.0 +/- 0.7 mil

Adhesion to Steel: 40 oz./inch minimum

Adhesion to Plastic: 25 oz./inch minimum

Colors: White, Blue, Yellow, Green, Black, Orange, Red, Clear, and Teal

Operating Temp: -20 to + 200 F

Elongation at Break: 80%

Tensile Strength: 18 lbs/inch width

Length: 36 yards