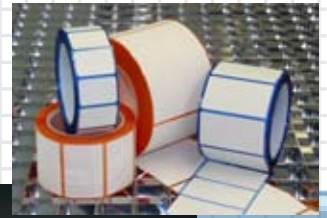


# UltraTape

Adhesive Tapes and Labels for Critical Environments



The Aerospace industry has stringent requirements for silicone free, residue-free, low outgassing adhesive tape. UltraTape offers a complete line of tapes that meet these critical requirements. UltraTape also offers a range of products for the Solar industry. These high-performance technical products are used in a number of applications.

- **Our tapes and labels are low outgassing, residue-free, and silicone-free and are the only tapes that meet the Aerospace acceptance criteria.**
- **Our tapes and labels are ideal for the Solar Cell Manufacturing cleanroom. This includes Construction Tapes for hanging visqueen sheeting during cleanroom construction or equipment maintenance, labels for product identification and traceability and Environmental Health and Safety tapes.**
- **UltraTape offers tapes for Solar Panel Assembly including single-sided and double-sided tapes for bonding and sealing aluminum framed modules, permanent bonding of the junction box, and low outgassing tapes for laminate fabrication, cell positioning, and cable management.**
- **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	1510	1410	1153	1154
<b>Backing</b>	Polyester	Closed Cell Polyethylene Foam	Polyethylene	Polyethylene
<b>Adhesive</b>	Acrylic Double Sided	Rubber Double Sided	Rubber	Rubber
<b>Total Thickness</b>	8.0+/- 0.7 mil	1/8 inch	7.0+/- 1.0 mil	7.0+/- 1.0 mi
<b>Adhesion to Stainless Steel</b>	35 oz/inch minimum	25 oz/inch minimum	40 oz/inch minimum	20 oz/inch minimum
<b>Operating Temperature</b>	-10 to +175 F	up to 150 F	--20 to +200 F	--20 to +200 F
<b>Elongation at Break</b>	100%	N/A	80%	80%
<b>Tensile Strength</b>	18 lbs/inch	20 lbs/inch	18 lbs/inch	18 lbs/inch
<b>Length</b>	36 yards	54 Feet	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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## Aerospace and Solar



### UltraTape 1510

This double sided tape has a permanent adhesive on both sides of a polyester tape with a transparent red Mylar release liner. Typical applications are connecting cleanroom plastic sheeting to adjacent pieces or permanent nameplate mounting.

**Colors:** Clear (CL).

### UltraTape 1520

This double sided tape has a removable adhesive on both sides of a polyester tape. It is used for temporary applications, such as hanging cleanroom signs. Due to the removable adhesive, there is no liner on this product. It can be kept in your cleanroom dispenser for ongoing fab applications.

**Colors:** Clear (CL).

### UltraTape 1410

This is a 1/8" thick closed cell polyethylene foam double-sided tape with a blue polyethylene liner. Clean polyethylene foam for a variety of uses during construction and maintenance. Use for connecting sheets of plastic for temporary cleanroom walls, repairing pass-through windows, sealing cleanroom ceiling tiles, and for solar panel construction.

**Colors:** White (WH).

### UltraTape 2159

This high temperature double sided tape provides outstanding tensile strength and thermal endurance at elevated temperatures. For continuous service, the temperature range is -48 to 204° C. Higher temperatures up to 260-300° C (500-600°F) can be tolerated for short periods. The product is designed to bond to silicone substrates as well as other difficult-to-bond-to surfaces.

**Colors:** Bronze.

### UltraTape 1153

Super-Tack© tape ideal for any application where you need a strong adhesive bond. No residues, tears by hand and you can write on it with a pen. Available in Protocol© uniquely striped color pattern which allows immediate recognition from a distance. No chance of confusing it with another product.

**Colors:** Black (BK), Blue (BL), Clear (CL), Green (GR), Orange (OR), Red (RE), White (WH), Yellow (YE), Protocol©: White with Blue Stripe (BW), White with Teal Stripe (TW).

### UltraTape 1154

A good replacement for vinyl tape in general use and cleanroom construction. It bonds quickly to all surfaces. The adhesive strength is virtually identical to vinyl tapes. The polyethylene backing can be written on with a cleanroom pen and you can tear it by hand. This tape is also recommended for in-process applications due to its low outgassing and metal properties.

**Colors:** Blue (BL), Clear (CL), Red (RE), White (WH), Yellow (YE).