

CLEANROOM SURFACE-PROTECTION TAPES

Low-Adhesion Surface-Protection Tape. Our low-adhesion surface-protection tape provides maximum protection to surfaces such as stainless steel, glass, aluminum-coated metal and plastics while allowing for easy, clean removal. (P/N: 1310, 1315)

Medium-Adhesion Surface-Protection Tape. This surface-protection tape offers superior performance on surfaces that are difficult to bond to, while allowing for clean removal. (P/N: 1120, 1312, 1314)

High-Temperature Surface-Protection Tape. This tape protects surfaces during high-tempera-

Product	Backing	Adhesive	Adhesion	Classic Clean	UltraClean	Clean Removal	Available Colors
1120	Embossed Polypropylene	Rubber	19.0 oz/in (2.08 N/cm)	✓	✓	✓	CL, TR
1310	Vinyl	Acrylic	5 oz./in.	✓	✓	✓	TB
1312	Polyethylene	Acrylic	14 oz./in.	✓	✓	✓	CL
1314	Polyethylene	Acrylic	11 oz./in.	✓	✓	✓	CL
1315	PVC	Acrylic	5 oz./in.	✓	✓	✓	TB
6570	Polyester	Silicone	35 oz./in.	✓	✓	✓	CL, RE
6571	Polyester	Silicone	30 oz./in.	✓	✓	✓	BL
6573	Polyester	Silicone	17 oz./in.	✓	✓	✓	GR



CLEANROOM LABELS

UltraTape has a line of specialty cleanroom labels that can be customized for your specific application. Special packaging, core, backing and adhesive materials are available to meet any requirements. Our cleanroom labels are available in a variety of low-outgassing, particle-free, residue-free facestocks and liners. Adhesion ranges from ultra removable to permanent. Whether you're looking for chemical resistance, high temperature, or special shapes and sizes, UltraTape can create a label that meets your needs.



CLEANROOM LABEL PRINTERS AND RIBBONS

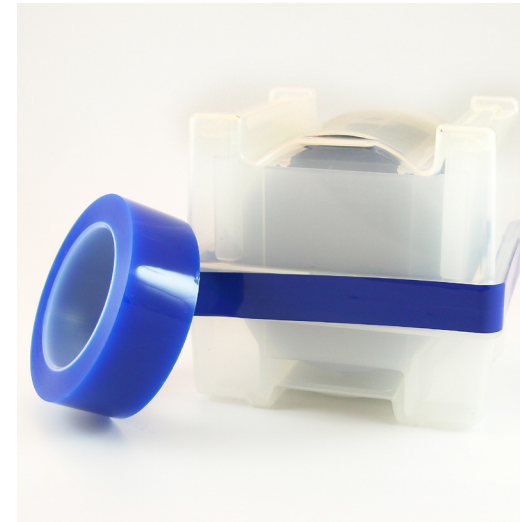
UltraTape's UltraLabel PRO™ printers are specifically designed for critical environments. The printers are available in both standard and high-resolution options and support a range of label-making applications including 2D, barcoding, serialization, inventory-control identification, product labels, pipe markers and GHS labels. The UltraLabel PRO is compact and versatile and can easily be integrated into any cleanroom environment. The printer and all related supplies, such as ribbons, are cleanroom certified and packaged to keep them free from contaminants.

COLOR KEY

BKBlack	BZBronze	OR.....Orange	TR.....Transparent Red
BL.....Blue	CL.....Clear	PR.....Purple	WH.....White
BR.....Brown	GR.....Green	RE.....Red	YE.....Yellow
BW..Black & White Stripe	GY.....Gray	RW....Red & White Stripe	
BY..Black & Yellow Stripe	OB.....OSHA Blue	TB..... Transparent Blue	Blue & White (1153)

UltraTape®

Adhesive Tape & Labels for Critical Environments



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Rev B 2023

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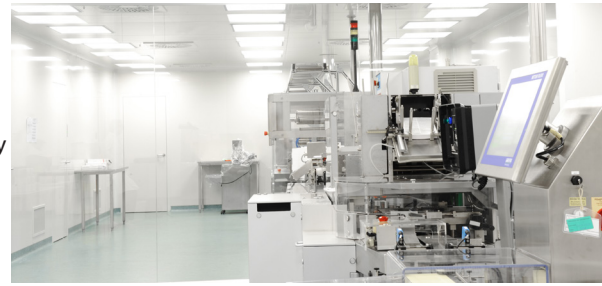
DELPHON

Semiconductor and Electronic Tape and Labels

SEMICONDUCTOR AND ELECTRONIC CLEANROOM TAPE

UltraTape, a Delphon company, is a leading and a leading provider of adhesive tape and label products for critical environments. Leveraging our extensive converting capabilities and expertise in adhesives and substrates, we work closely with you to deliver solutions for even the most unique applications. We offer an extensive library of low-outgassing, residue-free, particle-free tapes and labels that are ideal for use in semiconductor and electronic cleanrooms.

Tapes and labels are available in Classic Clean and UltraClean® and come individually bagged on a plastic core.



CLASSIC CLEAN

- Ideal for keeping products safe from environmental contamination prior to use
- Suitable for cleanrooms ranging from Class 10,000 (ISO Class 7) to Class 100,000 (ISO Class 8)

ULTRACLEAN

- Offer the highest level of cleanliness available for today's critical environments
- Suitable for cleanrooms ranging from Class 1 (ISO Class 3) to Class 1,000 (ISO Class 6)
- Inspected and individually double bagged in cleanroom polyethylene bag

IRRADIATED

- UltraTape's tape and label products can be irradiated and delivered with full certification of irradiation and lot traceability.

GENERAL-PURPOSE CLEANROOM TAPES

Color-Coding Tape. Our color-coding and marking tapes, available in a variety of substrates and adhesives, are ideal for cleanroom maintenance and support areas. (P/N: 1153, 1160, 2265, 2286, 1165)

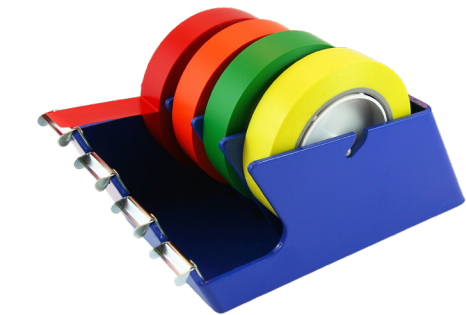
Construction Tape. Our construction tapes, available in medium and high adhesion, quickly bond to all surfaces—including plastic, concrete and stainless steel. Users can tear the tape by hand and write on it with a cleanroom pen. (P/N: 1153, 1154, 1160)

Wafer-Box Sealing and Packaging Tape. We offer a line of high-, medium- and low-adhesion polyethylene sealing tapes designed specifically for sealing wafer shipping boxes, as well as cleanroom packaging and bag sealing. These residue-free tapes are low in halogens and leachable chlorides. (P/N: 1110, 1112, 1114, 1225)

Floor-Marking Tape. Our floor-marking tapes, available in both striped and solid colors, are designed to withstand high traffic and frequent cleaning. Available in a variety of substrates and adhesives, these highly durable tapes are abrasion and chemical resistant. (P/N: 1165, 1186, 1167, 1188, 2265, 2286, 4425)

Electrical Tape. Our vinyl electrical tape is a premium-grade, all-weather insulating tape with an aggressive pressure-sensitive rubber adhesive that provides moisture-tight electrical and mechanical protection with minimum bulk. This product is certified by Underwriters Laboratories (UL) to conform to the Canadian Standards Association (CSA). (P/N: 1161)

Cuff-Sealing Tape. Conformable white polyethylene tape ensures an effective seal between

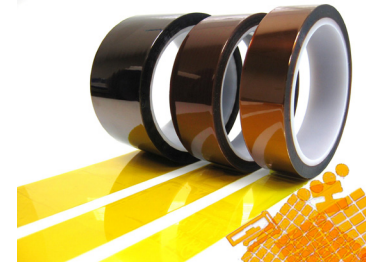


Product	Backing	Adhesive	Adhesion	Classic Clean	UltraClean	CleanRemoval	Available Colors
1110	Polyethylene	Acrylic	50 oz./in.	✓	✓	✓	BL, CL, GR, OR, RE, WH, YE
1112	Polyethylene	Acrylic	30 oz./in.	✓	✓	✓	CL, GR, RE, WH, TB, YE
1114	Polyethylene	Acrylic	12 oz./in.	✓	✓	✓	BL, GR, RE, WH, YE
1114P	Polyethylene	Acrylic	12 oz./in.	✓	✓	✓	WH
1153	Polyethylene	Rubber	60 oz./in.	✓	✓	✓	BK, BL, CL, GR, OR, RE, WH, YE, Blue & White
1154	Polyethylene	Rubber	25 oz./in.	✓	✓	✓	WH
1160	Vinyl	Rubber	18 oz./in.	✓	✓	✓	BK, BL, BR, CL, GR, GY, OB, OR, PR, RE, WH, YE
1161	Vinyl	Rubber	28 oz./in.	✓	✓	✓	BK
1165	Polyester Overlaminated on Vinyl	Rubber	21 oz./in.	✓	✓	✓	BY, BW, RW, GW
1167	Embossed Vinyl with Polyethylene Liner	Acrylic	44 oz./in.	✓	✓	✓	BK, GY
1186	Calendered Vinyl	Acrylic	40 oz./in.	✓	✓	✓	BK, BL, GR, OR, RE, WH, YE
1188	Vinyl	Acrylic	32 oz./in.	✓	✓	✓	BK, BL, GR, RE, WH, YE
1225	BOPP	Acrylic	22 oz./in.	✓	✓	✓	CL
2265	ESD Vinyl base/PET Over-laminate w/printed ESD Symbol	ESD Coated Acrylic	17 oz./in.	✓	✓	✓	BL, BK, GR, RE, RW, OR, WH, YE, BY
2286	ESD Vinyl base/PET Over-laminate	ESD Coated Acrylic	17 oz./in.	✓	✓	✓	BL, GR, RE, WH, YE
4421	Polyethylene	N/A	N/A	✓	✓	✓	Yellow with Black "Caution" Print

HIGH-TEMPERATURE CLEANROOM TAPES

Polyimide (Kapton®) Tape. Offered with acrylic, silicone and conductive adhesives, our polyimide tapes provide outstanding tear resistance and maintain their adhesive bond at high temperatures. These tapes are available in double-sided and anti-static versions. (P/N: X018, 2152, 2155, 2156, 2157, 2158, 2159)

High-Temperature Polyester Tapes. Our high-temp translucent polyester tapes bond quickly to surfaces and remove cleanly without residue—even after elevated temperature cycles. (P/N: 6570, 6571, 6573)



Product	Backing	Adhesive	Adhesion	Classic Clean	UltraClean	CleanRemoval	Available Colors
X018	Polyimide	Filled Silicone	9 oz./in.	✓	✓	✓	GY
2152	Polyimide	Silicone	22 oz./in.	✓	✓	✓	BZ
2155	Polyimide	Silicone	22 oz./in.	✓	✓	✓	BZ
2156	Polyimide	Silicone	22 oz./in.	✓	✓	✓	BZ
2157	Polyimide	Silicone	25 oz./in.	✓	✓	✓	BZ
2158	Polyimide	Acrylic	36 oz./in.	✓	✓	✓	BZ
2159	Polyimide	Double-Sided Silicone	25 oz./in.	✓	✓	✓	BZ
6570	Polyester	Silicone	35 oz./in.	✓	✓	✓	CL, RE
6571	Polyester	Silicone	30 oz./in.	✓	✓	✓	BL
6573	Polyester	Silicone	17 oz./in.	✓	✓	✓	GR

ESD CLEANROOM TAPES

Printed Anti-Static Tape. We offer a variety of tapes that are preprinted with anti-static symbols and messaging. (P/N: 2127, 2137, 2265, 4440)

Antistatic Cleanroom Marking and General-Purpose Tape. These vinyl-based tapes, available in multiple colors for floor, tool and safety marking, are ideal for a wide range of applications in which opaque colors are needed. We also offer an ESD-safe clear polyester general-purpose



Product	Backing	Adhesive	Adhesion	Classic Clean	UltraClean	CleanRemoval	Available Colors
2127	Cellophane	Rubber	34 oz./in.	✓	✓	✓	Clear
2137	Cellophane	Synthetic Rubber	59 oz./in.	✓	✓	✓	Clear with Printed ESD Symbol
2265	ESD Vinyl base/PET Over-laminate w/printed ESD Symbol	ESD Coated Acrylic	17 oz./in.	✓	✓	✓	BL, BK, GR, RE, RW, OR, WH, YE, BY, BW
2286	ESD Vinyl base/PET Overlaminated	ESD Coated Acrylic	17 oz./in.	✓	✓	✓	BL, GR, RE, WH, YE
4440	Calendered Vinyl/Polypropylene Overlaminated	Acrylic	24 oz./in.	✓	✓	✓	Yellow with Black Print

DOUBLE-SIDED CLEANROOM TAPES

Double-Sided Permanent Adhesion Tape. This tape is ideal for fastening applications, connecting plastic sheeting, or mounting permanent nameplates. Both sides of the polyester carrier have a transparent red Mylar release liner. (P/N: 1510)

Double-Sided Removable Adhesive Tape. This removable polyester tape features acrylic double-sided adhesive, has no liner, and is ideal for use in a cleanroom tape dispenser. (P/N: 1520, 1530)

Double-Sided Foam Tape. We offer a variety of double-sided foam tape in both permanent and removable adhesives. These tapes are flexible and conform easily to uneven surfaces. (P/N: 1410, 1440, 1460)

Double-Sided Polyimide Tape. This high-temperature tape offers superior dielectric strength



Product	Backing	Adhesive	Adhesion	Classic Clean	UltraClean	CleanRemoval	Available Colors
1410	Cross-Linked Closed Cell Polyethylene	Acrylic	95 oz./in.	✓	✓	✓	WH
1440	Cross-Linked Closed-Cell Polyethylene	Rubber	12 oz./in.	✓	✓	✓	WH
1460	Cross-Linked Closed-Cell Polyethylene	Rubber	125 oz./in.	✓	✓	✓	WH
1510	Polyester	Acrylic	90 oz./in.	✓	✓	✓	Clear - Self Wound
1520	UPVC	Acrylic	22 oz./in.	✓	✓	✓	Clear with Red Liner on Wrap Only
1530	UPVC	Acrylic	22 oz./in.	✓	✓	✓	Clear with Red Liner
2159	Polyimide	Double-Sided Silicone	25 oz./in.	✓	✓	✓	BZ