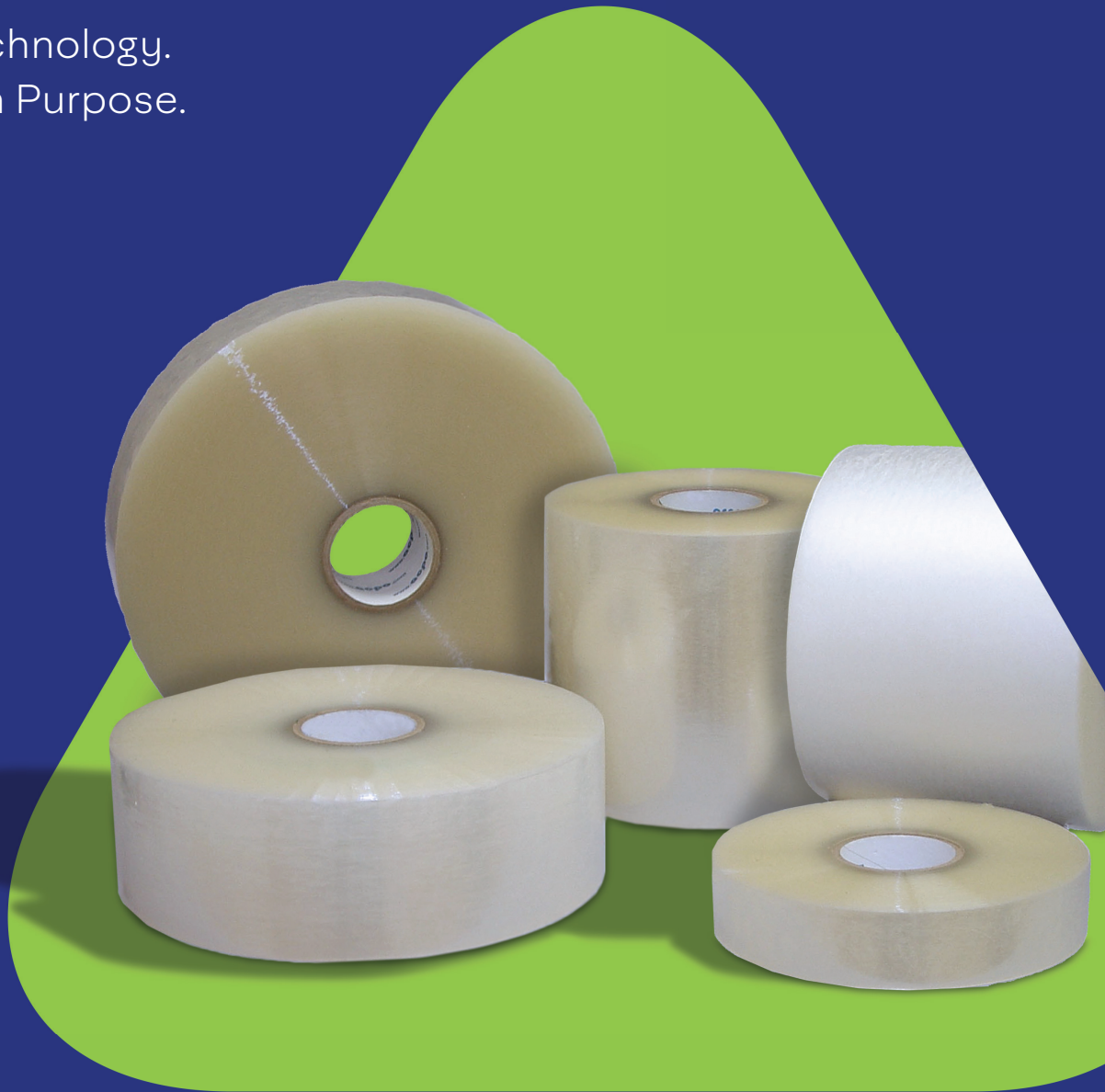




Product Guide

Films with Technology.
Products with Purpose.



www.acpo.com



Protection is Just the Beginning

ACPO and Avery Dennison are positioned to create the next generation of overlaminate technology

Are self-wound overlaminates in your arsenal of customer solutions? If not, maybe they should be. Providing more than just protection of the underlying facestock, self-wound overlaminates can add aesthetics and greater functionality to a label. Providing the best combination of price and performance compared to competing technologies, self-wound overlaminates look to become even more versatile in the coming years.

A quick course on self-wound overlaminates

Many converters may be familiar with ACPO's portfolio of self-wound overlaminate products. For those who aren't, here are a few things to know.

Self-wound overlaminate is a clear roll of linerless film with a pressure-sensitive adhesive. It's applied to a label, either in-line or on a finishing machine, just before die-cutting. As part of the finished label or package design, the overlaminate's typical primary purpose is to protect the underlying construction. However, self-wound overlaminates can do much more.

Self-wound overlaminates can, for instance, help enhance the overall aesthetics of a label. Current solutions allow for the addition of gloss and matte finishes, along with special effects such as soft feel. They can also add greater functionality to a label. This includes lowering the coefficient of friction to improve package processing; or adding a thermal transfer printable surface, release surfaces for foldout instruction booklets, or foil stamping.

Versatile and value-additive, self-wound overlaminates can be used on labels for virtually any consumer product. Applications include food and beverage, flexible packaging, health and personal care, pharmaceutical and medicine, prime film, and variable text. UL 969-compliant self-wound overlaminates are available for durables applications as well.

The best overall option for graphics protection

Self-wound overlaminates offer several benefits over competing technologies, such as wet lamination and varnishes. They add thickness and body to a label, providing strength to prevent tearing. They allow for variable printing, and may be FDA approved for direct food contact.

They're also easier to use. Set up and changeover of a roll of self-wound overlaminate can be completed quickly, and there's no additional equipment (such as UV lamps, drying hoods, or mixers) to maintain.

The bottom line? Self-wound overlaminates are the best overall solution for those wanting robust protection with added aesthetics and functionality.

To discuss how you can add self-wound overlaminates to your arsenal of customer solutions, contact your Avery Dennison representative or visit acpo.com.



Self-Wound Polypropylene

404, 410

Clear BOPP Overlamine film with a clear permanent emulsion acrylic adhesive. Ideal for milk jug, water bottle and general purpose label protection while offering excellent acid, chemical, oil and scuff resistance.

505B, 505C

Clear BOPP Overlamine film with a clear permanent emulsion acrylic adhesive. Provides more stability and excellent clarity and more demanding label applications. Ideal for health and beauty labels, food and beverage labels and for labels requiring more overall durability, such as batteries.

505E, 505F, 530E, 531T

Heavy duty Clear BOPP Overlamine film with a heavy coatweight permanent emulsion acrylic adhesive. Offers superior adhesion for more demanding label and tag applications. Ideal for extended content/booklet labeling, luggage tags, home and garden and the durable label market.



404 FDA, 320 FDA, 505 FDA, 531 FDA

Clear BOPP Overlamine film with a clear permanent emulsion acrylic adhesive. Meets requirements for direct face, incidental and indirect edge or seam contact as set forth in the FDA les: 21 CFR 175.105, 21 CFR 177.1520 and 21 CFR 175.125.

320, 531

Matte BOPP Overlamine film with a clear permanent emulsion acrylic adhesive. Provides a soft non-glare finish and is receptive to pen, pencil or marker. Ideal for beverage, food and cosmetic labels where attractive, high-end appearance is desired.

410T, 505T, 531T

Clear and Matte BOPP Overlamine film with a clear permanent emulsion acrylic adhesive. Designed for thermal transfer, hot foil stamp and Videojet® printability. Ideal for labels and tags with variable information, such as expiration dates and barcodes. Specific ribbon testing required. See our ribbon selection guide at www.acpo.com



Self-Wound Polypropylene

Spec#	Face Finish	Film Mills	Adhesive Mills	Total Mills	Availability
General Purpose Polypropylene					
404	CLEAR	0.70	0.25	0.95	Exact™/5000
					Exact™/10000
					FTO
410	CLEAR	0.75	0.3	1.05	Exact™/5000
					Exact™/10000
					FTO
505B	CLEAR	1.0	0.3	1.3	FTO
505C	CLEAR	1.0	0.5	1.5	FTO
Heavy Duty Polypropylene					
505E	CLEAR	1.0	0.7	1.7	FTO
505F	CLEAR	1.0	0.8	1.8	FTO
530E	CLEAR	1.2	0.7	1.9	FTO
700E	CLEAR	2.0	0.7	2.7	FTO
FDA Compliant Polypropylene					
404 FDA	CLEAR	0.7	0.25	0.95	FTO
320 FDA	MATTE	0.7	0.2	0.9	FTO
505 FDA	CLEAR	1.0	.3	1.3	FTO
531 FDA	MATTE	1.0	0.5	1.5	FTO
Matte Polypropylene					
320	MATTE	.7	0.2	.9	Exact™/5000
					Exact™/10000
					FTO
531	MATTE	1.0	0.5	1.5	Exact™/5000
					Exact™/10000
					FTO
Thermal Transfer Printable Polypropylene					
410T	CLEAR	0.75	0.3	1.05	FTO
505T	CLEAR	1.0	0.3	1.3	Exact™/5000
					Exact™/10000
					FTO
531T	MATTE	1.0	0.5	1.5	FTO

FTO = Finish To Order

Specialty Polypropylene

505OB

Unique, clear photo luminescent overlamine film with a clear permanent emulsion acrylic adhesive. Designed to illuminate when exposed to black light. Perfect for label detection and security labeling where product identification is required. Product must be stored in a manner to minimize exposure to UV light. Ask us about our other anticounterfeit technologies!



410 DIG, 531 DIG

Clear and Matte BOPP overlamine film with a clear tackified emulsion acrylic adhesive. Designed specifically to perform with digital printers and in very demanding label applications requiring an ultra aggressive adhesive. Provides excellent scratch and scu resistance.

410HS

Clear one side heat sealable, adhesive-coated BOPP film designed specially for flexible packaging applications. Offering excellent oil and chemical resistance, product 410HS is ideal for use as a barrier layer within the packaging or as an overlamine to protect and enhance your package. Typical end use applications include: bakery, pet food and snack pouches. HFFS and VFFS machine capability.

8130, 8133, 8150

Silicone release coated polypropylene with a water-based acrylic adhesive is ideal for overlay and labels with extended information, tags and a variety of other applications. It also provides a quiet unwind and smooth surface. Protects from moisture, abrasion and chemicals while offering excellent clarity and resistance to UV light.



Specialty Polypropylene

Spec#	Face Finish	Film Mills	Adhesive Mills	Total Mills	Availability
Photoluminscent Polypropylene					
505OB	CLEAR	1.0	0.3	1.3	CTO
Digital Polypropylene					
410 DIG	CLEAR	0.75	0.5	1.25	Exact™/5000 FTO
531 DIG	MATTE	1.0	0.5	1.5	FTO
Heat Sealable Polypropylene					
410HS	CLEAR	0.75	0.3	1.05	FTO
Specialty Polypropylene					
8130	CLEAR	1.2	0.8	2.0	CTO
8133	CLEAR	1.2	0.7	1.9	CTO
8150	CLEAR	2.0	0.8	2.8	CTO

FTO = Finish To Order, CTO = Coat To Order

Self-wound Polyester

648

Clear PET film treated for a smooth unwind and coated with a clear permanent emulsion acrylic adhesive providing excellent adhesion to challenging digitally printed surfaces. This product is ideal to protect print from abrasion and moisture in exible packaging applications such as food and cosmetics.

648M

Matte PET film treated for a smooth unwind and coated with a matte permanent emulsion acrylic adhesive providing excellent adhesion to challenging digitally printed surfaces. This product is ideal to protect print from abrasion and moisture in flexible packaging applications such as food and cosmetics.

674, 609

Clear PET overlamine film with a clear permanent emulsion acrylic adhesive. Provides stability, durability and UV protection for demanding label applications. Ideal for applications requiring heat and chemical resistance in the durable and automotive market.

614, 620E

Heavy duty clear PET overlamine film with a clear permanent emulsion acrylic adhesive. Ideal for applications requiring abrasion resistance, UV protection and resistance to moisture, tearing and other environmental agents. Well suited for outdoor applications or more challenging indoor applications and optimal for industrial, warning, durable or safety labels.

610T, 631T

Clear and Matte PET overlamine film with a clear permanent emulsion acrylic adhesive. Designed for thermal transfer, hot foil stamp and Videojet® printability. Ideal for labels and tags with variable information, such as expiration dates, lot codes or bar codes that must perform in demanding label applications. Specific ribbon testing required. See our ribbon selection guide at www.acpo.com.

675, 692, 692T








Clear PET Overlamine film with a clear permanent emulsion acrylic adhesive. These products have been designed and tested to Specifically meet UL standard 969 as an overlamine for label applications. File number MH18515.

609 DIG, 691 DIG, 841

Clear PET overlamine film with a clear tackified emulsion acrylic adhesive. Designed Specifically to perform with digital printers and in very demanding label applications requiring an ultra aggressive adhesive. Additionally, 691 DIG combats UV light to reduce color fading and is optimal for indoor and outdoor label applications, such as bumper stickers, window decals, nameplate decoration and outdoor durable applications where light fastness is required. Product 841 features a silent unwind, ideal for digital printers in an office setting. The easy release coating is also ideal in applications requiring graffiti resistance.

Self-wound Polyester

Spec#	Face Finish	Film Mills	Adhesive Mils	Total Mills	Availability
Surface Print Protection					
648	CLEAR	0.48	0.5	0.98	FTO
648M	MATTE	0.48	0.5	0.98	PTO

Spec#	Face Finish	Film Mills	Adhesive Mils	Total Mills	Availability
General Purpose Polyester					
674	CLEAR	0.75	0.3	1.05	CTO
675 	CLEAR	0.75	0.3	1.05	FTO
609 	CLEAR	0.92	0.3	1.05	Exact™/5000 FTO
692 	CLEAR	0.92	0.5	1.42	CTO
631 	MATTE	0.92	0.5	1.42	FTO
Heavy Duty Polyester					
614	CLEAR	1.4	0.7	2.12	CTO
620E	CLEAR	2.0	0.7	2.7	CTO
Thermal Transfer Printable Polyester					
610T 	CLEAR	0.92	0.5	1.42	Exact™/5000 FTO
692T 	CLEAR	0.92	0.5	1.42	FTO
631T 	MATTE	0.92	0.5	1.42	FTO
Digital Print Protection					
609 DIG	CLEAR	0.92	0.5	1.42	FTO
691 DIG	CLEAR	0.92	0.5	1.42	FTO
841	CLEAR	0.92	0.7	1.62	FTO

 Denotes UL Listed FTO = Finish To Order, CTO = Coat To Order, PTO = Purchase To Order

Specialty Polyester & Paint Mask

643

Sofsens, a tactile treat for the senses. Soft as a feather yet strong and durable print protection for your product. Ideal for use in labeling and luxury packaging applications, such as food and cosmetics.

643U

Sofsens, a tactile treat for the senses. This unsupported film is soft as a feather yet strong and durable print protection for your product. Non-Sofsens coated side has excellent characteristics for printing and laminating. Ideal for use in labeling and luxury packaging applications, such as food and cosmetics.

691V

Clear PET overlamine film with a clear permanent emulsion acrylic adhesive. Designed to reduce color fading, which will degrade the appearance of the label caused by harmful UV light. Optimal for indoor and outdoor label applications, such as bumper stickers, window decals, nameplate decoration and outdoor durable applications where light fastness is required. This product has been designed and tested to Specifically meet UL standard 969 as an overlamine for label applications. File number MH18515.



891

Clear PET overlamine film with a clear permanent emulsion acrylic adhesive. Treated with a platinum based silicone to facilitate smooth and quiet unwind. Ideal for label and tags produced in the office setting where quiet unwind is required and for multi-ply labels where an easy release is required. Ideal for multi-ply labels where an easy release is required and in applications requiring graffiti resistance.

600 REM, 614 URM

Clear PET overlamine film with removable and ultra removable adhesive. Engineered for medium and low tack removable applications. Ideal for applications such as extend content labels, pouch labeling, open/close mechanism on flexible packaging and as a secondary liner for die cut purposes or as a pre-mask for product protection.

PM6, PM7, PM8, PM367

Paint mask are 2 Ply and 3 Ply products that are designed to meet the requirement where a label needs to maintain its integrity during a secondary paint or powder coating operation. The mask layer is a clear PET 1m and coated with a permanent emulsion acrylic adhesive that has its edges deadened. The overlamine layer is based on a clear PET 1m treated for smooth release and coated with a permanent emulsion acrylic adhesive. We have the ability to create any size of paint mask to meet your requirements.

Specialty Polyester & Paint Mask

Spec#	Face Finish	Film Mills	Adhesive Mills	Total Mills	Availability
SofSens					
643	MATTE	0.50	0.42	0.92	FTO
643U	MATTE	0.50		0.50	FTO
UV Screening Polyester					
691V	CLEAR	0.92	0.5	1.42	FTO
Easy Release Polyester					
891	CLEAR	0.92	0.5	1.42	FTO
Removable Polyester					
600 REM	CLEAR	0.92	0.5	1.42	FTO
614 URM	CLEAR	1.42	0.5	1.92	CTO

Spec#	Mask Layer Mill	Middle Layer Mill	Overlamine Layer Mill	Deadended Edge (Inches)	Total Thickness	Availability
Paint Mask Polyester						
PM6	0.92	N/A	0.92	0.25	3.94	CTO
PM7	0.92	N/A	0.92	0.125	3.94	CTO
PM8	0.92	N/A	0.92	0.375	3.94	CTO
PM367	0.92	0.92	0.92	0.375	5.86	CTO

FTO = Finish To Order, CTO = Coat To Order

Specialty and Unsupported

L61010

Clear TC PET with a clear emulsion acrylic adhesive on a .92M PET liner. This premium polyester film can be used for exographic label printing, secondary thermal transfer printing and laser printing. Specific ribbon testing and laser printer testing required.

141, 150, 167

Clear PET and BOPP films with a clear permanent emulsion acrylic adhesive. These reinforcement tapes are designed to provide added support in hole punch and hang tag applications. Minimum width available is 3/8”.



Unsupported Films

Both polypropylene and polyester films provide excellent chemical, acid and moisture resistance and are one side treated to accept print or adhesive coating. All polypropylene Films meet FDA requirements for direct food contact. Products 609U, 614U and 620U are wax release coated while product 891U features a platinum based silicone release coat.



Specialty and Unsupported

Spec#	Face Finish	Film Mills	Adhesive Mills	Film Mills	Total Mills	Availability
Top Coated Polyester with PET liner						
L6101N	CLEAR	0.92	0.5	0.92	2.34	FTO

Spec#	Face Finish	Film Mills	Availability
Tag and Edge Reinforcement			
141	CLEAR	0.75	FTO
150	CLEAR	1.0	FTO
167	CLEAR	0.92	FTO
Unsupported Polypropylene			
410U	CLEAR	0.75	FTO
505U	CLEAR	1.00	FTO
530U	CLEAR	1.2	R&H
700U	CLEAR	2.00	FTO
531U	MATTE	1.00	FTO
Unsupported Polypropylene			
648U	CLEAR	0.48	FTO
674U	CLEAR	0.75	FTO
600TU	CLEAR	0.92	FTO
609U	CLEAR	0.92	FTO
891U	CLEAR	0.92	FTO
614U	CLEAR	1.42	FTO
620U	CLEAR	2.00	FTO
648MU	MATTE	0.48	PTO
631U	MATTE	0.92	FTO

FTO = Finish To Order, PTO = Purchase To Order, R&H = Run & Hold

Joining Avery Dennison

Bringing together Avery Dennison and ACPO offers an unbeatable proposition to converters. ACPO is the recognized leader in the manufacture of self-wound overlaminates. The most obvious outcome is also the most immediate — there’s now a “one-stop-shop” for the total label system, consisting of the main label construction and the overlaminate layer.

Converters can also rely on outstanding service. ACPO brings regional manufacturing capabilities (all manufacturing happens in the US), combined with an extensive finishing and distribution network. The company’s technical support handles not only reactive problem solving, but product recommendations, application knowledge and testing, troubleshooting, and converter training.

The most significant and lasting benefit, however, relates to innovation. ACPO can now leverage Avery Dennison’s strength in product R&D and marketing. Our vision is thus to develop a new generation of self-wound overlaminate technologies that are in tune with current and emerging trends. This might mean even more products that enhance the functionality and shelf appeal of their base labels, deliver greater sustainability, and are engineered to be even easier and safer to use. The strengths of the Avery Dennison portfolio will become strengths of the ACPO offering.

The integration of Avery Dennison and ACPO promises to push self-wound overlaminates into the future. In the meantime, the ACPO portfolio includes a wide range of products providing protection, aesthetics, and functionality that can help you solve customer challenges and uncover new business opportunities.





label.averydennison.com

03/2022

All Avery Dennison statements, technical information and recommendations are based on tests believed to be reliable but do not constitute a guarantee or warranty. All Avery Dennison products are sold with the understanding that purchaser has independently determined the suitability of such products for its purposes. All Avery Dennison products are sold subject to Avery Dennison's general terms and conditions of sale found at label.averydennison.com/en/home/terms-and-conditions.html.



© 2022 Avery Dennison Corporation. All rights reserved. Avery Dennison® is a registered trademark of Avery Dennison Corporation. Avery Dennison brands, product names, antenna designs and codes or service programs are trademarks of Avery Dennison Corporation.