

Pharmaceutical and Healthcare Collection

Build a healthier business with
dedicated pharma labeling solutions





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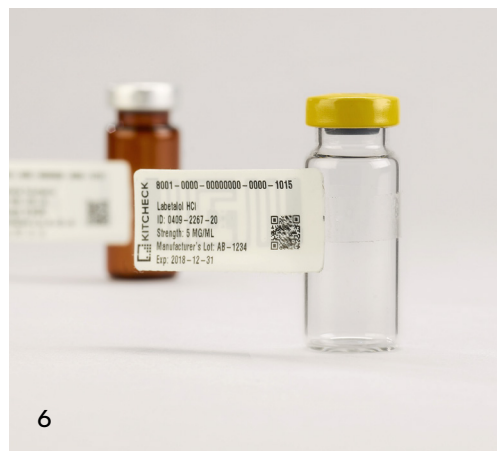
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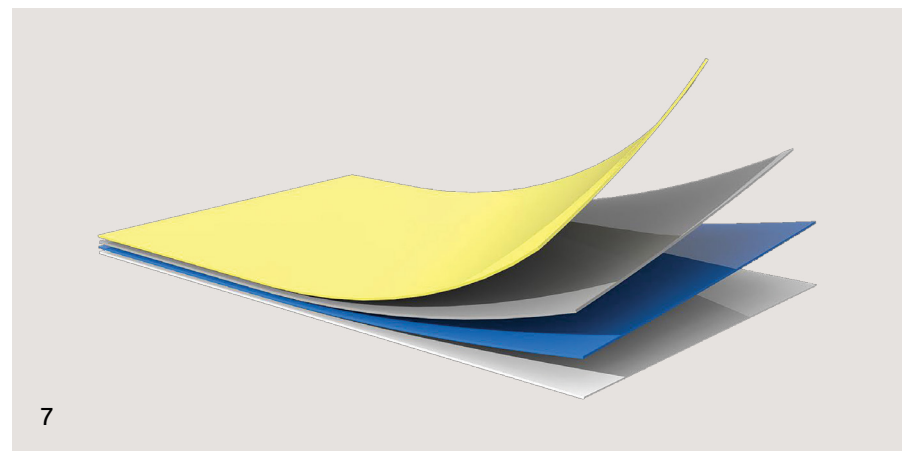
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Tested. Consistent. Compliant. Sustainable.

Our dedicated portfolio of key paper and film products offers you tailored options for a variety of applications. Plus, our customer-ready products offers an added layer of security, lessening the chances for issues such as contamination and recalls.

The portfolio provides

- An easier way to understand and introduce pharmaceutical labeling solutions
- Improved range of products addressing simple to complex application needs
- Quick lead times and shorter time to market with use of pre-tested constructions
- Increased brand owner familiarity
- Change protection via change management process
- Compliance expertise
- A range of sustainable solutions to help you meet your goals

Pharmaceutical Solutions

1 Syringe Labeling

Labels specifically designed for small diameter syringes and auto-injectors for better dosage security and sterility.

2 Cold Chain labeling

Ensure clear identification of biological materials from collection to storage, transportation and delivery to the medical facility and, ultimately, the patient.

3 Blood and plasma bag labels

Reliability and simplicity for identification labeling. Primary and secondary blood bags solutions.

4 Ethical and OTC containers

Servicing the growing demand for ethical products.

5 Tamper-evident security labelling / Anti-counterfeit labelling

Box damage labels to protect against tampering. Protect pharmaceutical products against counterfeiting.

6 RFID solutions

Improves inventory tracking and helps provide user interactive solutions.

7 Engineered Solutions

Are we missing a construction you need? We have a team of technical solutions leaders dedicated to developing one-of-a-kind, engineered solutions that fit your time line.

Core Advantages

TESTED: Independently tested for an added layer of protection

Adhesive Testing	S727	S717P	S692NP	S246
Skin Irritants Result: Low irritation	●	●	●	●
Eye Irritants Result: Low irritation	●	●	●	●
Acute Oral Toxicity Result: Not orally toxic	●	●	●	●
3375 FDA Drug Master File Listing*	Yes	Yes	Yes	Yes

*Our DMF file includes a longer list of adhesives than the four mentioned above. The DMF file helps end users with FDA approvals of the labels in the application. End users request the FDA opinion on specific adhesives being used in their application and the FDA uses adhesive information provided by Avery Dennison to determine if this adhesive is safe to use in the application.

● Pass ● Fail ○ Not Tested

Sterilization is defined as the total destruction of all microbial life and is part of processes in pharmaceutical and medical space

	Autoclave	E.T.O	Radiation
Sterilizing Agent	Pressurized steam	Ethylene oxide gas	Gamma rays and electron beam
Major Advantage	Ease of operation	Least damaging to package	Speed of operation
Major Challenge	Extremes of Temp, vacuum and pressure	Operation time, toxic residues	
Temperature	121C (249°F)	25C (77° F) to 55C (131° F)	Ambient Room
Recommendations	Polyolefin face and some rubber adhesives are not recommended. Best results with film face and acrylic adhesives	Polyolefin labels can be damaged. Good results with acrylic adhesives (paper and film)	Rubber adhesives are not recommended. Good results with acrylic adhesives (paper and film)

Consistent Component change minimization and robust notification commitment for peace of mind.

- We strive for minimal component change disruptions
- We provide automatic notification of any planned component changes
- We offer Pharma adhesives with 3-12 months change notification to facilitate re-qualification

Compliant Meeting a wide range of regulatory standards.

Regulations are subject to change. For the most updated compliance statement, please contact your sales representative or visit label.averydennison.com/compliance

FDA 175.105	Result: Approved
CONEG	Result: Does not contain
REACH SVHC	Result: Does not contain
RoHS / WEEE	Result: Does not contain

Sustainable Product options to achieve corporate sustainability goals.

- Responsibly Sourced - Forest Stewardship Council® (FSC) certified paper facestock options
- Enables Recycling - Association of Plastics Recyclers (APR) recognized constructions for HDPE recycling

Paper Overview

Paper Facestock Descriptions

Pharma High-Gloss	Coated, calendered paper offering superior gloss, high strength and high-quality printing.
Pharma Semi-Gloss FSC®	Coated, super-calendered paper with moderate gloss, high strength, and high-quality printability. This facestock offers a marked reduction in the occurrence of surface contamination compared to traditional semi-gloss.
Lightweight Pharma Litho	Matte-coated, calendered paper providing superior flexibility and good printability. Recommended for tight mandrel applications (<1/4" substrate diameter).

Paper Facestock Characteristics

Paper Type	Basis Weight	Caliper	Print Resolution	Date Stamping	Smoothness	Flexibility	Opacity	Gloss
	lbs/ream (Ream = 500 25" x 38" sheets)	Thickness in Mils (1Mil = 1/1000 inch)						
Pharma High-Gloss	60	2.9	●	●	●	●	●	●
Pharma Semi-Gloss FSC®	58	3.0	●	●	●	●	●	●
Lightweight Pharma Litho	40	2.8	●	●	●	●	●	●

● Excellent ● Good ● Not Recommended

Adhesives for Paper Components

Adhesive Descriptions

S727	High-performance, permanent solvent acrylic adhesive ideal for tight mandrel labeling. Widely used in applications requiring sterilization. Ideal for critical pharmaceutical applications requiring an extended component change notification commitment.
S717P	High-performance, permanent emulsion acrylic adhesive ideal for tight mandrel labeling. Widely used in applications requiring sterilization. Ideal for critical pharmaceutical applications requiring an extended component change notification commitment.
S692NP	General-purpose, permanent emulsion acrylic adhesive with good adhesion to low-energy substrates (e.g. squeezable containers). Often used in applications requiring sterilization. Ideal for consumer health care applications requiring a moderate component change notification commitment.
S246	General-purpose, permanent hot melt adhesive featuring high initial tack and ultimate adhesion. Ideal for consumer health care applications requiring a minimum component change notification commitment.

Typical Adhesive Performance Characteristics (with Paper Facestocks)*

Adhesive	Minimum Application Temperature	Service Temperature Range	Application	Adhesive Change Notification Commitment (Months)	Sterilization*			Adhesion*			Small Diameter (1/4 inch)*			
					Autoclave	ETO	Gamma	Glass	PE	PP	Glass	PE	PP	
S727	+50° F	-65° F to +250° F	Ethical Drugs & Medical Devices	12	●	●	●	●	●	●	●	●	●	●
S717P	+50° F	-65° F to +250° F	Ethical Drugs & Medical Devices	12	●	●	●	●	●	●	●	●	●	●
S692NP	+23° F	-20° F to +200° F	Consumer Healthcare	6	●	●	●	●	●	●	●	●	●	●
S246	+40° F	-65° F to +160° F	Consumer Healthcare	3	●	●	●	●	●	●	●	●	●	●

*Application-specific testing required.

● Recommended ● Product dependent/testing recommended ● Not Recommended

Liners for Paper Components

Liner Descriptions

40#CK 40#SCK 50#SCK	Bleached, calendered and super-calendered kraft release liners featuring high internal strength and tear resistance. Excellent for die cutting and dispensing.
Ultraliner®	Proprietary extruded polyolefin film liner for paper facestocks. Rough backside to support print registration for multi-color jobs.
1.2 Mil PET 1.5 Mil PET	Clear, durable polyester liner appropriate for high-speed die cutting and dispensing.
ABC	Anti-block coating applied to the back side of the liner to prevent label transfer to the liner back when rolls of labels are unwound. Generally used with film facestocks or heavy adhesive coat weights.

Paper Specs

Application	Facestock	Spec#	Adhesive	Liner	Width/Length (In./Ft.)	Location	
Ethical Drugs & Medical Devices	Pharma High-Gloss	53283	S717P	40#SCK	60/1668	PVL	
		53284	S717P	ULTRALINER®	60/4167	PVL	
		53168	S727	40#SCK	60/1668 EXACT/5000	PVL/ WCT PVL/ WCT	
		08222	S727	50#SCK	60/4167	PVL	
		B5650	S727	1.5 Mil PET	60/4167	NEE	
		53169	S727	ULTRALINER®	60/1668 EXACT/5000	PVL/ WCT PVL	
		54329*	S717P	40#SCK	60/1668	PVL	
		54335*	S717P	1.5 Mil PET	60/1668	QTN	
		54332*	S727	40#SCK	60/1668 EXACT/5000	PVL/ WCT PVL/ WCT	
	54334*	S727	1.5 Mil PET	60/1668	PVL/ WCT		
	54333*	S727	ULTRALINER®	60/1668 EXACT/5000	PVL/ WCT PVL		
	53285	S717P	40#SCK	60/4167	PVL		
	53343	S717P	1.2M PET	60/1668	PVL		
	53282	S717P	ULTRALINER®	60/1668	NEE		
	07944	S727	40#SCK	60/1668 EXACT/5000	QTN QTN		
	07945	S727	50#SCK (ABC)	60/1668	PVL		
	19458	S727	1.5M PET	60/4167	PVL		
	07948	S727	ULTRALINER®	60/1668 EXACT/5000	PVL PVL		
	Consumer Healthcare	Pharma High-Gloss	B5562	S246	40#SCK	60/10000 78/1668	QTN/PTC/NEE QTN/PTC/NEE/ FTW/WCT
			54339*	S246	40#CK	78/1668 EXACT/10000	PTC/QTN PTC/QTN
Pharma Semi-Gloss FSC®		B6168*	S246	1.2 Mil PET	78/1668 EXACT/10000	PTC PTC	
		54331*	S246	1.5 Mil PET	60/10000	PTC	
		54433*	S246	ULTRALINER®	EXACT/7500	PTC	
		09816	S246	40#SCK	30/1668	PTC/TOR	
Lightweight Pharma Litho		09816	S246	40#SCK	30/1668	PTC	

* Part of Sustainable ADvantage Portfolio

Locations: DAL-Dallas, TX: FTW-Fort Wayne, IN: GFD-Greenfield, IN: MTL-Montreal: NEE-Neenah, WI: PVL-Painesville, OH: PTC-Peachtree City, GA: QTN-Quakertown, PA: SEA-Seattle, WA: TOR-Toronto: WCT-West Coast

Film Overview

Film Facestock Descriptions

Primax® 350 White	Flexible, white opaque polyolefin film featuring excellent conformability for full-squeeze applications. Offers excellent print quality, dispensability and dimensional stability.
FasClear® 350 Clear	Flexible, matte clear polyolefin film offering excellent conformability for full-squeeze applications. Offers excellent print quality, dispensability and dimensional stability.
2.6 Mil White BOPP TC	Rigid, pearlized white biaxially-oriented polypropylene film with good conformability and high print quality. Cost-saving alternative to polyester.
2.0 Mil Clear BOPP TC	Rigid, ultra-clear, biaxially-oriented polypropylene film with good conformability and high print quality. Cost-saving alternative to polyester.
1.5 Mil Reveal PET	Rigid, ultra-clear, polyester film with good conformability and excellent durability.
2.3 Mil White BOPP TT	Rigid, pearlized white biaxially-oriented polypropylene film with good controllability and thermal transfer printability.
2.0 Mil Clear BOPP TT	Rigid, ultra-clear, biaxially-oriented polypropylene film with good conform ability and thermal transfer printability.

Film Facestock Characteristics

Film Type	Film	Caliper	Print Registration	Die Cutting	Dispensing	Conformability	Clarity
		Thickness in Mills (1Mil = 1/1000 inch)					
Conformable	Primax® 350 White	0.0035 inches	●	●	●	●	●
	FasClear® 350 Clear	0.0035 inches	●	●	●	●	●
Rigid	2.6 Mil White BOPP TC	0.0026 inches	●	●	●	●	●
	2.0 Mil Clear BOPP TC	0.0020 inches	●	●	●	●	●
	2.0 Mil Clear BOPP TT	0.00142 inches	●	●	●	●	●
	2.3 Mil White BOPP TT	0.0026 inches	●	●	●	●	●
	2.0 Mil Clear BOPP TT	0.0020 inches	●	●	●	●	●

● Excellent ● Good ● Not Recommended

Adhesives for Film Components

Adhesive Descriptions

S727	High-performance, permanent solvent acrylic adhesive ideal for tight mandrel labeling. Widely used in applications requiring sterilization. Ideal for critical pharmaceutical applications requiring an extended component change notification commitment.
S717P	High-performance, permanent emulsion acrylic adhesive ideal for tight mandrel labeling. Widely used in applications requiring sterilization. Ideal for critical pharmaceutical applications requiring an extended component change notification commitment.
S692NP	General-purpose, permanent emulsion acrylic adhesive with excellent adhesion to low-energy substrates (e.g. squeezable containers). Often used in applications requiring sterilization. Ideal for consumer health care applications requiring a moderate component change notification commitment.

Typical Adhesive Performance Characteristics (with Film Facestocks)*

Adhesive	Minimum Application Temperature	Service Temperature Range	Application	Adhesive Change Notification Commitment (Months)	Sterilization*			Adhesion*			Small Diameter (1/4 inch)*			
					Autoclave	ETO	Gamma	Glass	PE	PP	Glass	PE	PP	
S727	+50° F	-65° F to +250° F	Ethical Drugs & Medical Devices	12	●	●	●	●	●	●	●	●	●	●
S717P	+50° F	-65° F to +250° F	Ethical Drugs & Medical Devices	12	●	●	●	●	●	●	●	●	●	●
S692NP	+23° F	-20° F to +200° F	Consumer Healthcare	6	●	●	●	●	●	●	●	●	●	●

*Application-specific testing required.

● Recommended ● Product dependent/testing recommended ● Not Recommended

Engineered Solutions

Missing a construction you need? Our dedicated team of technical solutions leaders develop one-of-a-kind, engineered solutions that fit your time line and your bottom line.

1 →

Problem

You'll work directly with an Avery Dennison Technical Leader (TL) teammember to help you solve problems

2 →

Idea

Once you have the idea, our TL will provide you with quote, lead time and MOQ for the potential solution

3 →

Prototype

Using our materials and specialists, along with your knowledge, we'll create a prototype for trial

4 →

Verify + Validate

Working together, we'll verify and validate that the solution is truly fit for use

5

Commercialize

Then we'll commercialize the final solution allowing you to execute the opportunity

Liners for Film Components

Liner Descriptions

40# BG	Bleached, glassine white liner with good back printability. Designed for low-to medium-speed dispensing applications.
1.2 Mil PET	Clear, durable polyester liner appropriate for high-speed die cutting and dispensing.

Film Specs

Application	Facestock	Spec#	Adhesive	Liner	Width/Length (In./Ft.)	Location	
Ethical Drugs & Medical Devices	Primax® 350	79044	S717P	40#BG	60/4167	PVL	
		79070	S717P	50#SCK	60/4167	PVL	
		79043	S717P	1.2 Mil PET	60/4167	PVL	
		79064	S727	40#BG	60/4167	PVL	
	FasClear® 350	79046	S717P	40#BG	60/4167	PVL	
		79040	S717P	40#BG	60/4167 54/4167	PVL PVL	
	2.6 Mil White BOPP TC	79039	S717P	1.2 Mil PET	60/4167 54/4167	PVL PVL	
		79060	S727	40#BG	60/4167 54/4167	PVL PVL	
		78172	S727	50#SCK	54/4630	PVL	
		79059	S727	1.2 Mil PET	60/1668 EXACT/5000	PVL PVL	
		2.3 Mil White BOPP TC	79704	S717P	1.2 Mil PET	60/4167	PVL
			79706	S727	1.2 Mil PET	60/4167	PVL
	54112		S727	ULTRALINER®	60/4167	PVL	
	2 Mil Clear BOPP TC	B3595	S727	40#BG	60/4167	PVL	
		B3582	S717P	1.2 Mil PET	60/1668 EXACT/5000	PVL PVL	
		B3585	S717P	40#BG	60/4167	PVL	
	1.5 Mil Reveal PET	79047	S717P	1.2 Mil PET	60/4167	PVL	
	Consumer Healthcare	3.0 Mil White MDO	79660*	S692NP	40#BG	60/30000	PVL
		2.6 Mil White BOPP TC	79049*	S692NP	1.2 Mil PET	60/4167 54/4167	PVL PVL
			78349*	S692NP	40#BG	60/1668	PVL
		2 Mil White BOPP TC	B3938*	S692NP	1.2 Mil PET	60/4167	PVL
		1.5 Mil Reveal PET	79057	S692NP	1.2 Mil PET	60/4167	PVL

*Meets the Association of Plastic Recyclers (APR) Critical Guidance Protocol for HDPE recycling. Part of Sustainable ADvantage Portfolio

Locations: **DAL**-Dallas, **TX**: FTW-Fort Wayne, IN: **GFD**-Greenfield, IN: **MTL**-Montreal: **NEE**-Neenah, WI: **PVL**-Painesville, OH: **PTC**-Peachtree City, GA: **QTN**-Quakertown, PA: **SEA**-Seattle, WA: **TOR**-Toronto: **WCT**-West Coast

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10/2022

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