

Flexcon® OptiFlex®
Packaging Product Offering

Meet All of Your Labeling Requirements



Why Flexcon?

Your success is our success.

Allow Flexcon to be your consultative materials partner focused on the success of you and your clients. Take advantage of application science expertise you won't find anywhere else, and consistent product quality you can rely on time after time.

Depend on your dedicated customer support team for answers.

Your customer and technical service team is ready to jump into action to support product, application or converting challenges, and to meet your day-to-day needs.

Products are ready to ship. Order now.

Multiple inventory programs, including our Flexcon® FlexChoice™ trimless program, allow you to get products fast and in the format you need to meet your client's timeline. Request a sample roll today.



Packaging label solutions suitable for plastic, glass, aluminum, and flexible packaging.

- | | |
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| • Sustainable | 4-5 |
| • Rigid | 6-7 |
| • Squeeze & Semi-Squeeze | 8-9 |
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Multi-Layer Constructions



Exceptional printability

- Reliable topcoats for conventional & digital ink systems to enable cross-platform printability and reduced SKUs
- Printable via flexography, rotary letterpress, rotary screen, narrow-format UV inkjet, & HP Indigo (primed in-line)



Engineered films

- Conformable, flexible films that contour to a variety of package types
- Dimensional stability for high-speed auto-dispensing labeling applications



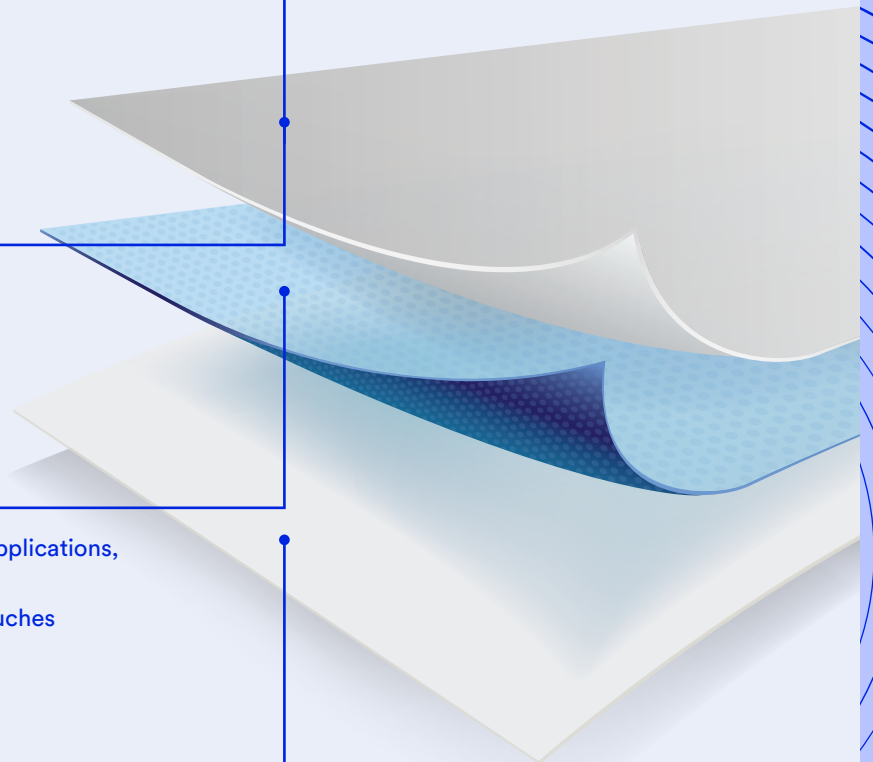
Robust adhesion

- Adhesives developed specifically for the most challenging and demanding applications, including high-pressure processing (HPP)
- Options for rigid, semi-squeeze and full-squeeze containers, and flexible pouches
- Adhesives comply with FDA 175.105 for indirect food contact



Optimized liners

- Polyester and paper release liners provide an excellent die-cutting base
- Flexcon® TracRite™ polyester release liners made from up to 60% post-industrial recycled content are ideal for high-speed dispensing



Sustainable Offerings

Label solutions designed for recyclability of consumer packaging

Maximize recyclability with APR approved OptiFlex® EcoFocus® pressure-sensitive label constructions designed to support multiple waste streams.

Wash-off adhesive

Maximize recyclability of PET containers with V-52RE wash-off adhesive, also compatible with High-Pressure Processing (HPP).

Rigid container recyclability

Achieve sustainability goals with BOPP and PE label materials designed for recyclability of HDPE containers.

Thin for PET and HDPE containers

Further sustainability goals with down-gauged versions of OptiFlex® EcoFocus® products.

Post-consumer Recycled Content

OptiFlex® EcoFocus® BOPPs with PCR content along with paper and/or polyester release liners that also feature PCR content enhance sustainability objectives by minimizing reliance on virgin plastics, fostering economic initiatives, and enhancing environmental impact reporting.



FLX#	Film Type	Film Caliper	Film Color	Adhesive	Liner	PET Recycling	HDPE Recycling	Technical Use				Adhesion Properties				
								Panel Labels	Wrap Labels	Squeeze Tube	Tight Radius	Peel (Glass/ Metal)	Peel (Low Surface Energy Plastics)	Peel (High Surface Energy Plastics)	Tack	Shear
Flexcon® OptiFlex® EcoFocus®																
068847	BOPP	2.0	Clear	V-52RE	1.2 Mil PET	●	●	●	●			○	○	○	◐	◐
069990	BOPP	2.0	Clear	V-52RE	40# Kraft	●	●	●	●			○	○	○	◐	◐
068849	BOPP	2.3	White	V-52RE	1.2 Mil PET	●	●	●	●			○	○	○	◐	◐
069991	BOPP	2.3	White	V-52RE	40# Kraft	●	●	●	●			○	○	○	◐	◐
068848	BOPP	2.0	Silver	V-52RE	1.2 Mil PET	●	●	●	●			○	○	○	◐	◐
069992	BOPP	2.0	Silver	V-52RE	40# Kraft	●	●	●	●			○	○	○	◐	◐
070926	BOPP PCR	2.2	White	V-01	40# Kraft			●	●			◐	○	◐	◐	○
070927	BOPP PCR	2.2	White	V-01	0.92 Mil PET PCR			●	●			◐	○	◐	◐	○
070198	BOPP PCR	2.2	White	V-01	1.2 Mil PET PCR			●	●			◐	○	◐	◐	○
069057	PE	3.0	Clear	V-127RE	1.2 Mil PET		●	●	●	●		◐	○	◐	◐	○
069058	PE	3.0	White	V-127RE	1.2 Mil PET		●	●	●	●		◐	○	◐	◐	○
Flexcon® OptiFlex® Thin EcoFocus®																
069573	BOPP	1.6	Clear	V-52RE	0.92 Mil PET	●	●	●	●		●	○	○	○	◐	◐
069589	BOPP	1.6	White	V-52RE	0.92 Mil PET	●	●	●	●		●	○	○	○	◐	◐
069591	BOPP	1.6	Silver	V-52RE	0.92 Mil PET	●	●	●	●		●	○	○	○	◐	◐
069592	PE	2.2	Clear	V-127RE	0.92 Mil PET		●	●	●	●	●	◐	○	◐	◐	○
069593	PE	2.2	White	V-127RE	0.92 Mil PET		●	●	●	●	●	◐	○	◐	◐	○

Adhesion properties key



Peel
Low = < 34 oz/in
Med = 35-74 oz/in
High = >75 oz/in

Tack
Low = <400 g/cm2
Med = 400-700 g/cm2
High = >700 g/cm2

Shear
Low = <10 hours
Med = 10-100 hours
High = >100 hours

Rigid Offerings

Rigid container labels suitable for personal care, cosmetics, food, beverage, and household products will remain firm and intact, adhering to the surface without easily bending or losing their shape.

High-print quality

Polypropylene labels can be printed with high-resolution graphics and vibrant colors, allowing brands to create eye-catching and visually appealing designs.

Versatility

Suitable for high-pressure processing (HPP) and various types of packaging containers, including glass, plastic, and metal.

Polypropylene films can be applied to a wide range of products, from food jars and beverage bottles, to personal care and cosmetics packaging.

Water and moisture resistance

Topcoated polypropylene offers excellent water and moisture resistance, preventing the ink from smudging or running, even when exposed to humidity or condensation. This is particularly important for products stored in refrigerated environments or used in the bathroom.

Oil and chemical resistance

In the case of food and cosmetics, polypropylene labels are resistant to oils and certain chemicals, ensuring that the label's information and branding remain clear and intact.

Adhesive performance

Adhesives for packaging labels adhere well to a wide range of container types, including low-surface energy plastic, glass and aluminum, and provide excellent resistance to water, humidity, and product contents, preventing edge lift and water whitening of the label.

With permanent and removable adhesive choices, this allows options for every application.



							Technical Use				Adhesion Properties				
							Panel Labels	Wrap Labels	Squeeze Tube	Tight Radius	Peel (Glass/ Metal)	Peel (Low Surface Energy Plastics)	Peel (High Surface Energy Plastics)	Tack	Shear
FLX#	Flexcon Nickname	Film Type	Film Caliper	Film Color	Adhesive	Liner									
Flexcon® OptiFlex®															
056456	CPP20413	BOPP	2.0	Clear	V-01	1.2 Mil PET	●	●			◐	○	◐	◐	○
060202	CPP20416	BOPP	2.0	Clear	V-01	40# Kraft	●	●			◐	○	◐	◐	○
056712	WPP23413	BOPP	2.3	White	V-01	1.2 Mil PET	●	●			◐	○	◐	◐	○
060201	WPP23416	BOPP	2.3	White	V-01	40# Kraft	●	●			◐	○	◐	◐	○
056721	MPP20413	BOPP	2.0	Silver	V-01	1.2 Mil PET	●	●			◐	○	◐	◐	○
064278	MPP20416	BOPP	2.0	Silver	V-01	40# Kraft	●	●			◐	○	◐	◐	○
030751		BOPP	2.0	Clear	A-208	0.92 Mil PET	●	●			◐	○	○	◐	◐
070057		BOPP	2.0	Clear	V-32	1.2 Mil PET	●	●			◐	○	◐	◐	●
070058		BOPP	2.3	White	V-32	1.2 Mil PET	●	●			◐	○	◐	◐	●
070145		BOPP	2.0	Clear	V-611	1.2 Mil PET	●	●			○	○	○	○	●
070143		BOPP	2.3	White	V-611	1.2 Mil PET	●	●			○	○	○	○	●
070146		BOPP	2.0	Clear	V-611	40# Kraft	●	●			○	○	○	○	●
070144		BOPP	2.3	White	V-611	40# Kraft	●	●			○	○	○	○	●
Flexcon® OptiFlex® Thin															
056455	CPP16419	BOPP	1.6	Clear	V-01	0.92 Mil PET	●	●		●	◐	○	◐	◐	○
056722	MPP16419	BOPP	1.6	Silver	V-01	0.92 Mil PET	●	●		●	◐	○	◐	◐	○
056723	WPP16419	BOPP	1.6	White	V-01	0.92 Mil PET	●	●		●	◐	○	◐	◐	○

Adhesion properties key



Low



Medium



High

Peel

Low = < 34 oz/in
Med = 35-74 oz/in
High = >75 oz/in

Tack

Low = <400 g/cm2
Med = 400-700 g/cm2
High = >700 g/cm2

Shear

Low = <10 hours
Med = 10-100 hours
High = >100 hours

Squeeze and Semi-Squeeze Offerings

Conformability

Conformable films can stretch and adhere to various container shapes, including full- and semi-squeeze bottles. This ensures a smooth and attractive label application, even on curved or irregular surfaces.

Flexibility

Highly flexible films are resistant to creasing, allowing them to withstand the stress of repeated squeezing and flexing without tearing or peeling off the container.



Adhesion properties key

○ Low ◐ Medium ● High

Peel
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Med = 35-74 oz/in
High = >75 oz/in

Tack
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Med = 400-700 g/cm²
High = >700 g/cm²

Shear
Low = <10 hours
Med = 10-100 hours
High = >100 hours

							Technical Use				Adhesion Properties				
							Panel Labels	Wrap Labels	Squeeze Tube	Tight Radius	Peel (Glass/ Metal)	Peel (Low Surface Energy Plastics)	Peel (High Surface Energy Plastics)	Tack	Shear
FLX#	Flexcon Nickname	Film Type	Film Caliper	Film Color	Adhesive	Liner									
Flexcon® OptiFlex®															
012473		PE	3.4	Silver	V-81	1.2 Mil PET	●	●	●		◐	○	◐	◐	◐
069057		PE	3.0	Clear	V-127RE	1.2 Mil PET	●	●	●		◐	○	◐	◐	○
070377		PP	2.0	Clear	V-81	0.92 Mil PET	●	●		●	◐	○	◐	◐	◐
070378		PP	2.0	White	V-81	0.92 Mil PET	●	●		●	◐	○	◐	◐	◐
069058		PE	3.0	White	V-127RE	1.2 Mil PET	●	●	●		◐	○	◐	◐	○
Flexcon® OptiFlex® Thin															
057585	MPE22719	PE	2.2	Silver	V-01	0.92 Mil PET	●	●	●	●	◐	○	◐	◐	○
069592		PE	2.2	Clear	V-127RE	0.92 Mil PET	●	●	●	●	◐	○	◐	◐	◐
069593		PE	2.2	White	V-127RE	0.92 Mil PET	●	●	●	●	◐	○	◐	◐	◐



Specialty Offerings



Opacity

Conceal films have high opacity, ensuring that they effectively cover up any underlying graphics, text, or colors to create a clean canvas for the new branding or product information.

Durability

Films are resistant to moisture, oils, and chemicals, ensuring that the new labels maintain their appearance and adhesion even under challenging environmental conditions.

							Technical Use				Adhesion Properties				
							Panel Labels	Wrap Labels	Squeeze Tube	Tight Radius	Peel (Glass/ Metal)	Peel (Low Surface Energy Plastics)	Peel (High Surface Energy Plastics)	Tack	Shear
FLX#	Flexcon Nickname	Film Type	Film Caliper	Film Color	Adhesive	Liner									
Flexcon® OptiFlex® Conceal™															
057612	WPPM23313	BOPP	2.3	Opaque White	V-01	1.2 Mil PET	●	●			◐	○	◐	◐	○

Adhesion properties key



Low



Medium



High

Peel

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Med = 35-74 oz/in
High = >75 oz/in

Tack

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High = >700 g/cm2

Shear

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Reseal Offerings

Reclose functionality

The primary feature of resealable materials is their ability to be opened and closed multiple times, ensuring the remaining contents are protected and stay fresh after each use. This enhances convenience and prevents spillage or leakage, making it easier for consumers to use the products on the go.

Barrier properties

Films exhibit excellent barrier properties, which help to keep the contents of personal care, cosmetics, household, and food products safe from external elements like moisture, air, and contaminants to ensure product integrity and shelf life.

Chemical resistance

Films and reseal adhesives offer good resistance to chemicals commonly used in personal care, cosmetics, and household products. This ensures that the packaging remains intact, preserving the product's quality and preventing any chemical interactions.

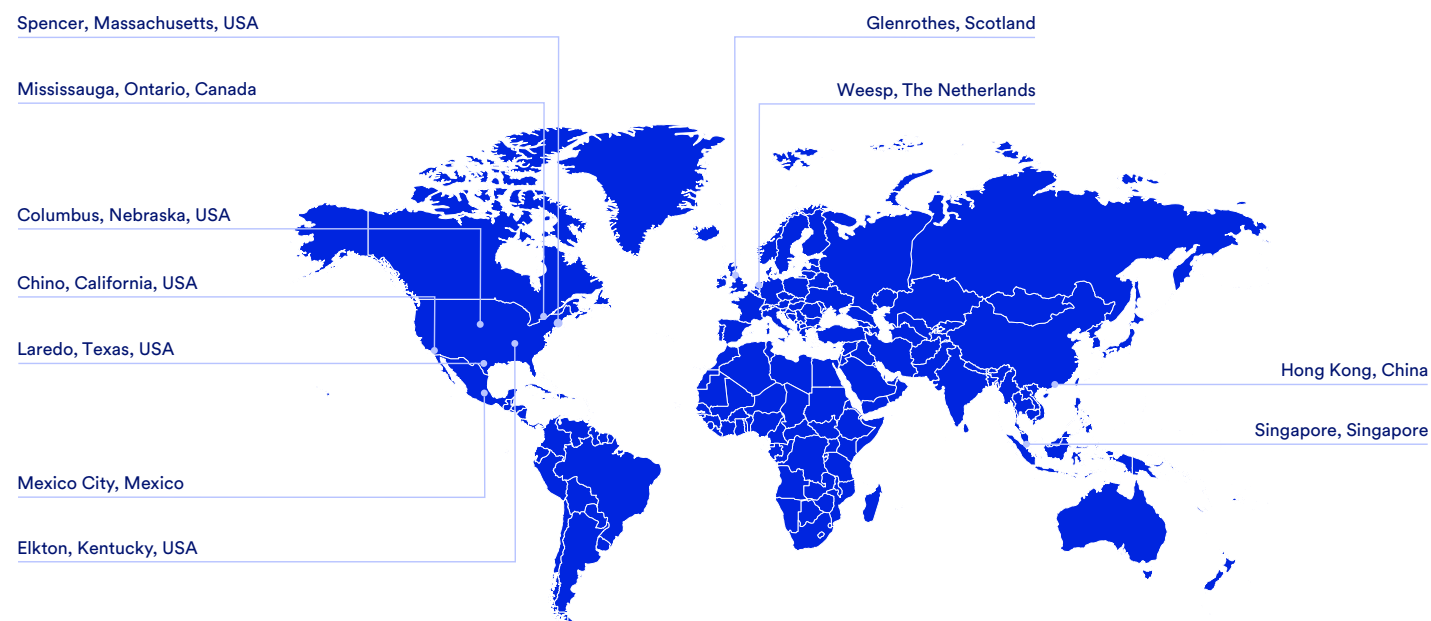


							Technical Use				Adhesion Properties				
							Panel Labels	Wrap Labels	Squeeze Tube	Tight Radius	Peel (Glass/ Metal)	Peel (Low Surface Energy Plastics)	Peel (High Surface Energy Plastics)	Tack	Shear
FLX#	Flexcon Nickname	Film Type	Film Caliper	Film Color	Adhesive	Liner									
Flexcon® Reseal™															
064722	20133	BOPP	2.0	Clear	V-133	1.2 Mil PET	●	●			○	○	○	◐	●
064717	21133	BOPP	2.3	White	V-133	1.2 Mil PET	●	●			○	○	○	◐	●

Supporting Businesses Globally

In 1956, Myles McDonough pioneered the first pressure-sensitive film product in a Spencer garage, breaking away from the industry’s focus on high-volume commodity products. His vision was to meet the unique needs of innovators seeking new applications for pressure-sensitive films.

Today, nearly 70 years later, Flexcon continues this legacy, serving diverse industries such as packaging, electronics, transportation, and healthcare. Flexcon is a trusted manufacturing partner, known for turning innovative ideas into reality. With decades of expertise, Flexcon supplies adhesives, films, and coating technologies for the consumer packaging industry, supporting markets in food, beverage, personal care, cosmetics, and household chemicals.



Product Performance and Suitability
Descriptive information, performance data, and recommendations for Flexcon products are guides and not specifications. Providing this information is to assist you and does not constitute a warranty of any kind by Flexcon. Purchasers must independently determine the material’s suitability for their intended use. No distributor, salesman, or representative of Flexcon is authorized to provide any warranty or

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