

Specialty Coatings and Laminations



OPTILiner™

SUPRALiner™

Specialty Coatings

Laminations





OPTILiner™ Release Films

- Optical quality coating
- Class 10,000 coating and converting
- Ultra smooth coating
- Stable, uniform release properties
- Easy winding characteristics
- Easy and moderate release options

SUPRALiner™ Release Films

- Multiple substrate options
- Multiple coating options
- Ultra smooth coating
- Stable, uniform release properties
- Easy winding characteristics
- Controlled release options

Specialty Coatings

Functional coatings:

- Anti-stat
- Matte
- Hardcoat
- Friction
- Tints
- Breakaway
- Fire retardant
- Adhesives
- Primers
- Conductive

Laminations

- Optical quality lamination
- Class 10,000 cleanroom
- Superior curl control
- State-of-the-art tension controls

Saint-Gobain Performance Plastics

Release Liner Products



Release Coatings

EASY				MODERATE		FILM BASE
5018	6113	6118	8310	7744	8702	PET



Release Coatings

	COATING	FILM BASE				
		PET	HDPE	LDPE	HIPS	PVC
Easy	5008	X	X			
	6010	X	X			
	6013	X	X			
	7005				X	
	7015		X			X
	7600				X	X
	7800					X
	8005	X	X			
	8306			X		
Moderate	7540A				X	
	7744		X	X		
	8700	X	X	X		
Tight	6024	X				
	8752B1	X				

Easy Release – Less than or equal to 30 grams per 2" peel

Moderate Release – 30 to 100 grams per 2" peel

Tight Release – Greater than 100 grams per 2" peel

Other General and Specialty Release Coatings

PRODUCT LINE	SERIES/COATINGS		
Thermal Tin	5000 Series		
Thermal Platinum	6000 Series		
UV Epoxy	7000 Series		
UV Acrylated	8000 Series		
Non-Silicone	0092	0206	
Fluoro-Silicone	9022	9011	9030

Saint-Gobain Performance Plastics

Specialty Coatings and Films

Specialty Coatings

FUNCTION	COATINGS			FILM BASE	
Anti-Stat	0009			PET	
Matte	0020	0025		PET	PVC
Hardcoat	0627			PET	Others
Friction (Low CoF)	0119	0606		PET	Others
Tints	0165	0200	0541	PET	
Breakaway	0031	0420		PET	
Fire Retardant	0430			PET	Others
ADHESIVES/ELASTOMERS					
Laminating PSA	0457				Various
Conductive PSA	0567				Various
Repositionable	0241			BOPP	
Primers	0592				Various
Heat Sealable	0610				Various
LSR	0553	0578			Various

Film Selection Guide

FILM	MARKET	APPLICATIONS	KEY PROPERTIES
Polyester (PET)	Label	Roll Label, Overlaminates, Beverage, Pharmaceutical, Toiletries, Health & Beauty	High Tensile and Tear, Smoothness, Clarity, Gauge Control, Temperature Resistance, Recyclable, Back Side Printable, Mechanically Stable, Low CoF, Spliceable
	Decal Graphic	Transfer Lettering, Domed Label, Window Graphics	
	Industrial	Solar, Gaskets, Nameplate, Automotive, Construction, Composites, Free Adhesives	
	Tape	One/Two Side, Transfer	
	Medical	Transdermal, Hydrogels, Wound Care, EKG, Hygiene	
Polystyrene (PS)	Medical	Hydrogels, Wound Care, EKG	Embossable, Thermoformable, Stiffness, Back Side Printable
	Label	Piggyback	
Polyvinyl Chloride (PVC)	Tape	One/Two Side, Transfer	Embossable, Tear Resistance, Conformable, High Yield, Low Cost
	Medical	Wound Care, Hygiene	
	Industrial	Construction, Gasket, Automotive	
Polyethylene (Low Density and High Density)	Tape	One/Two Side, Transfer	Die-cut Stability, Thermoformable, Colored Options, Durability, Low Cost
	Medical	Wound Care, Hygiene	
	Industrial	Gaskets, Casting, Automotive	

Saint-Gobain Performance Plastics is a leading manufacturer of high quality silicone and non-silicone film release liners. We complement these products with multiple specialty coatings and laminations designed specifically to meet customer and market applications. Our combination of coating and curing technologies provides distinctive performance characteristics, with flexibility for both long or short production campaigns.



Why Saint-Gobain Performance Plastics?

40 years of experience has taught us what works best to yield the most effective and cost-efficient results.

Our product line comprises principally silicone and specialty formulated coatings applied to films, and custom laminations. Customers who use these products operate within a wide range of industries, including medical, consumer electronics, graphics, digital printing, tapes, labels, decals, automotive and general industrial.

CAPABILITIES

Saint-Gobain Performance Plastics meets the exacting demands of multiple markets. We have the capability, equipment and ingenuity to process differential and two-sided release coatings, as well as a multitude of other surface coatings – Anti-graffiti, Breakaway, and Hardcoats, for example.

Seven unique coating methods are available to ensure distinctive and optimal performance characteristics.

- Coating width capability is 78 inches (1981mm).
- Roll weights up to 2,400 pounds (>1000kg).
- Substrate thickness from .2mil-50mil (.005mm-1.27mm).

Our state-of-the-art manufacturing and production facilities feature **superbly equipped class 10,000 clean rooms**. The modular design of our processing equipment, including coating heads and ancillary assemblies, provides optimum flexibility, enabling us to switch from production of one product to another with minimal downtime.

SPECIALTIES

Our vast experience with coating chemistries and substrates allows us to process **very smooth and thin films with precision and ease.**

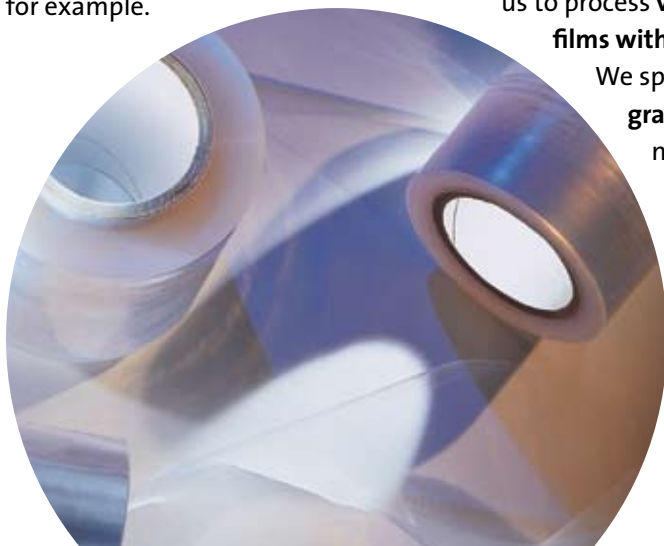
We specialize in **optical grade** coatings that leave no “orange peel” or other pattern. These **clean, clear coatings** are designed to accommodate even the most critical medical, electronic, and industrial applications.

CUSTOMIZATION

One size does not fit all! The very nature of the industries we serve requires products that are finely tuned to perform to individual needs. Our sales managers will work directly with our chemists and your application engineers to define and customize products that work for you. We have an **on-site lab**, access to a **world-class R&D facility** located 10 minutes away from our production site, and a **pilot coater** that offers economic trial options for new customers.

RESPONSIVE

Product development should not be a slow process. We recognize there is tremendous value in the marketplace to not only deliver **QUALITY** solutions, but to deliver them **FAST**. Our business managers, customer support team, and chemists are all centrally located, and work together to provide quick answers and quick **solutions**.



Saint-Gobain Performance Plastics: A Tradition of Innovation



The invention of making glass by casting it onto a table marked a change from older, traditional processes such as glass blowing. This new process revolutionized glassmaking for years to come and would continue to be virtually the only method until the 1920s.

Detail from a painting depicting glass being cast in Saint-Gobain in 1824. Painting by Edouard Pingret. (Saint-Gobain Collection)

For more than four decades, Saint-Gobain Performance Plastics and its family of companies have supplied the world with innovative, high-performance polymer products for the most demanding industrial applications.

Our tradition of excellence goes back more than 300 years through our connection to Compagnie de Saint-Gobain, one of the world's top 100 industrial corporations and a leader in the production of engineered materials. Since its founding in 1665 as a

glassmaker in France, Saint-Gobain has continued to find new and innovative ways to transform materials ranging from plastics to glass.

Today, Saint-Gobain is a global leader in each of its primary business sectors: High-Performance Materials, Construction Products, Packaging, Flat Glass and Building Distribution.

Saint-Gobain Performance Plastics carries on Saint-Gobain's commitment to quality as the world's leading producer of engineered high-performance polymer products for virtually every industry around the globe, using resins such as fluoropolymers, silicones and high-temperature thermoplastics.

Backed by a proud heritage of product innovation, technological expertise and market leadership, Saint-Gobain Performance Plastics is dedicated to working with our customers to solve today's application issues and the challenges that lie ahead.

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