



Formosa Plastics®

## Formolene® Polyethylene Film

Quality, Value and Performance

## Discover Formolene® Polyethylene Film

When success is essential, Formosa is your quality choice

No matter what your PE film application needs and requirements, from industrial liners to stretch wrap, from retail food packaging to consumer trash can liners, and every application in-between, you'll find an innovative, high-quality Formosa PE film solution. Our broad, growing and ever-more sophisticated portfolio of Formolene® PE film resins are optimized to enable your innovative designs and applications.

The right PE film for your application is more than a balance of the right mechanical properties. It is the right color, opacity, printability, seal strength, and puncture resistance. It is economical film downgauging. It is polyethylene film with low carbon footprint, combined with a supplier that understands your sustainability and recyclability initiatives. Film resins that are easy to process with excellent bubble stability.

### Delivering Value

At Formosa, we understand that it's more than just PE film, it's your business. Delivering value means:

- PE film grades that process over a wide range of film gauges and extrusion speeds;
- PE film grades that process at different blow-up ratios at standard output rates with excellent property retention and performance;
- PE film grades that are safe and clean, that meet FDA and CHPB requirements;
- PE film grades that help you meet your green/sustainability initiatives for reduction in use, recyclability and low carbon footprint.



We offer polyethylene film technology based on butene and hexene comonomers that provides sensible options to our customers in addressing the complex task of balancing cost, quality and performance in a competitive environment. Our product grades offer a range of melt indices and a choice of additive packages that are optimized for enabling cost reduction through film downgauging. All polyethylene film grades are FDA and CHPB approved.



### Defining Performance

We're willing to work with you to satisfy your application requirements, with PE film grades that bring the right balance of performance, economics and quality:

- Tensile strength for toughness;
- Tensile elongation properties for puncture resistance;
- Excellent sealing performance over a wide range of temperatures;
- Excellent film surface performance for opacity and printability
- Excellent optical properties for haze and gloss.



Formosa Plastics®

## Optimized PE Film Resins Applied Polymer Innovation



Retail Packaging



Produce Bags



Stretch Wraps



Heavy Duty Bags



Consumer Trash Bags



Industrial Liners

## Products & Technical Specifications (Selected Materials)

GRADES	HMW-HDPE			LLDPE				
	E-922	E-924	E-927	L42009	L42022	L62009	L91507	L91720
COMONOMER	Butene	Butene	Butene	Butene	Butene	Hexene	Hexene	Hexene
MELT INDEX GMS/10 MIN.	.15	.04	.07	.95	2	.95	.80	2
DENSITY GMS/CC.	.953	.949	.949	.919	.919	.920	.916	.918
DART IMPACT, GMS	190	590	370	135	65	320	520	250
ELMENDORF TEAR MD/TD GMS	16/200	17/210	16/190	160/400	110/570	430/640	480/650	270/430
TENSILE STRENGTH MD/TD PSI	8,300/5,900	9,800/7,000	9,300/6,700	5,100/3,225	3,900/2,700	5,500/4,300	5,700/5,000	5,200/3,800
% ELONGATION MD/TD	300/540	290/480	310/540	700/815	600/800	650/800	670/880	500/750
GLOSS 60 DEG	15	15	15	36	40	50	50	80
HAZE %	73	73	73	27	35	42	42	2
COMMENTS	Blown Film .5 mil	Blown Film .5 mil	Blown Film .5 mil	Blown Film 1.0 mil	Blown Film 1.0 mil	Blown Film 1.0 mil	Blown Film 1.0 mil	Cast Film 0.8 mil
APPLICATIONS	T-Shirt Bags, Trash Bags and Industrial Packaging	T-Shirt Bags, Trash Bags and Industrial Packaging	T-Shirt Bags, Trash Bags and Industrial Packaging	Blown Film, General Purpose Films and Bags	Blown and Cast Film Applications	Consumer/ Institutional Trash Bags, Food/Industrial Packaging	High Strength Trash Bags, Medical Waste Bags and Industrial Liners	Blown and Cast Stretch Film Applications

## Need More? Just Ask.

At Formosa, we're committed to providing you with innovative products, consistent quality, unsurpassed service and reliable on-time/every-time delivery.

Our technical teams ensure you get the products you need and the consistent quality and run performance you need — every time.

Our service teams are determined to help you find ways to improve your business by optimizing performance, improving consistency and helping you to get the most out of our products.

Our private rail fleet is the largest in the industry. You can monitor the status of your orders and the exact locations of your railcar deliveries online — 24/7/365.

**If you need more, just ask. After all, we're your partner.**

## Our Commitment

Formosa Formolene® polypropylene quality and consistency, together with our technical service, provide excellent value and produce components that consistently perform as required.

- **Quality and Consistency** – We will deliver resins that meet or exceed customers' requirements.
- **Performance** – Help customers produce consistent, valued components that perform to specifications for durability, appearance and safety.
- **Value** – Provide excellent per unit component value – from resin grade selection, purchase and delivery to optimized processability and final component production.
- **Technical Service** – Provide top-notch, responsive technical service that develops prompt, accurate solutions.

## Your Partner for Polymer Solutions

With corporate headquarters in Livingston, New Jersey, Formosa Plastics Corporation, U.S.A. owns and operates three vertically integrated chemical manufacturing subsidiaries located in Delaware City, Delaware; Baton Rouge, Louisiana; and Point Comfort, Texas. Through affiliated facilities located in Ningbo (China), Mailiao (Taiwan) and Linyuan (Taiwan), we can meet international demands.

Our business operations include the production of polyethylene, polypropylene, suspension and dispersion polyvinyl chloride, chlor-alkali and olefins.

For more information about Formosa Plastics' products or to discuss a custom application for a no obligation quote, visit [www.fpcusa.com](http://www.fpcusa.com) or speak with your company representative directly by calling 888.372.8723.

The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions concerning uses or applications are only the opinion of FORMOSA PLASTICS CORPORATION, U.S.A. and users should perform their own tests to determine the suitability of these products for their own particular purposes. However, because of numerous factors affecting results, FORMOSA PLASTICS CORPORATION, U.S.A. MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING THOSE OF MANUFACTURING AND FITNESS FOR PURPOSE, other than that the material conforms to the applicable current Standard Specifications. Statements herein, therefore, should not be construed as representations or warranties. The responsibility of FORMOSA PLASTICS CORPORATION, U.S.A. for claims arising out of breach of warranty, negligence, strict liability, or otherwise is limited to the purchase price of the material. Statements concerning the use of the products or formulations described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is assumed.

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