



**Formosa Plastics®**

**Formolene® Polyethylene Resins  
Film Applications**

Quality, Value and Performance





## Discover Formolene® Polyethylene Film Resins

No matter what your PE film application needs and requirements are, 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 a low carbon footprint, combined with a supplier that understands your sustainability and recyclability initiatives. It is film resin that is easy to process with excellent bubble stability.

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.

## Delivering Value

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

- PE film resin 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

## 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:

- Designed for tensile strength and toughness
- Tensile elongation properties for puncture resistance
- Engineered sealing performance across a wide temperature range
- Excellent film surface performance for opacity and printability
- Providing optical clarity with enhanced haze and gloss control







## 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)

	HMW-HDPE		LLDPE		mLLDPE		
Grade	E-924	E-927	L62009	L91507	L91930B	MP1510B	MP1835H
Comonomer	Butene	Butene	Hexene	Hexene	Hexene	Hexene	Hexene
Melt Index ASTM D1238, g/10 Min.	.04	.07	.95	.80	3.0	1.0	3.5
Density ASTM D1505, g/cm3	.949	.949	.920	.916	0.92	0.915	0.918
Dart Impact, ASTM D1709, g/mil	590	370	320	520	170	850	140
Elmendorf Tear MD/TD ASTM D1922, g/mil	17/210	16/190	430/640	480/650	270/430	220/380	190/350
Tensile Strength at Break MD/TD ASTM D882, psi	9,800/7,000	9,300/6,700	5,500/4,300	5,700/5,000	4,500/3,500	8,000/7,000	6,000/4,500
Tensile Elongation at Break MD/TD ASTM D882, %	290/480	310/540	650/800	670/880	600/800	510/680	510/680
Comments	Blown Film .5 mil	Blown Film .5 mil	Blown Film 1.0 mil	Blown Film 1.0 mil	Cast Film 0.8 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	Consumer/ Institutional Trash Bags, Food and Industrial Packaging	High Strength Trash Bag Medical Waste Bags And Industrial Liners	Stretch Film, Monofilament	High Strength Film, Frozen Food Bags	Stretch Film



## Our Commitment to Our Customers

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.



Sedex is a world leader in responsible sourcing. They empower companies with technology and insights to implement practices and policies to build a responsible business and supply chain.



Ecovadis's purpose is to guide all companies toward a sustainable world and act as a North Star to ensure their growth is providing positive impact for our planet and society.

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





## Our Commitment to Sustainability

Formosa Plastics Corporation, U.S.A. is committed to the United Nations' 17 Sustainable Development Goals. The information provided on our website is the product of a thorough and introspective consideration of Formosa's role in supporting these goals.

Formosa's Sustainability information reflects our commitment to doing our part both as a member of the global economy and as an engaged corporate citizen at the local level. No matter how large or how small, each of us can make a difference as we seek a better world in the present and for the future.

To learn more about our sustainability initiatives, please visit [www.fpcusa.com/sustainability](http://www.fpcusa.com/sustainability).





**Formosa Plastics®**

The information and recommendations in this publication are, to the best of our knowledge, reliable. Determination of the suitability of the products for any particular purpose shall be the responsibility of the buyer or user. Formosa Plastics Corporation, U.S.A. only warrants that the products shall conform with the applicable Standard Specifications Statement herein. All other warranties, express, or implied, are expressly disclaimed.