



Formosa Plastics®

**Formolene® Polyethylene Resins
Caps & Closures**

Quality, Value and Performance



Discover Formolene® Polyethylene Resins

Formosa has served the caps and closures resin market for years with high-quality, innovative products. Our broad, growing, and increasingly sophisticated portfolio of Formolene® homopolymer and copolymer HD, LLD, and LD polyethylene resins meets the requirements of the most demanding applications, enabling the innovative designs needed to satisfy your customers' toughest challenges.

Whether you produce caps and closures for cosmetics, foods, spices, condiments, beverages, or other products, quality, value, and performance are critical. Our optimized technologies help enable your success.

Formosa continues to invest significantly in building, expanding, and streamlining our polyethylene resin production facilities to deliver the highest-quality materials to market.

The result is a manufacturing base that is among the newest, most efficient, and technologically advanced in the industry.

Quality, value, and performance, backed by service second to none, this is our commitment to your success.

Delivering Value

Our broad line of polyethylene resins, with their inherent processability and fast cycle times, allow faster cap production and container filling/assembly.

The result:

- Cycle time improvements from optimized additive formulations and easy-flow polymers
- Productivity gains enabled by products of high quality and consistency
- Reduced energy consumption in your facilities
- Reduction of material usage through enhanced polymer properties

Defining Performance

Engineered for performance, our polyethylene resins deliver the durability, appearance, and reliability your applications demand — featuring tailored copolymers and homopolymers that deliver:

- A range of properties to meet in-use performance requirements
- Enhanced appearance
- Dimensional stability for a perfect fit
- Excellent colorability
- Minimal blushing
- Stiffness and toughness to resist breakage and enhance protective function
- FDA compliance





Optimized Resins for Caps & Closures

Applied Polymer Innovation



Household



Personal Care



Food



Beverages



Condiments



Spices

Products & Technical Specifications (Selected Materials)

HDPE				LLDPE			
Grade	LH6008	LH6011	LH5207	LH5420	LH5033	LJ2420B	LJ2650B
Melt Flow GMS ASTM D1238, g/10 min.	8	11	7	20	33	20	50
Density ASTM D1505, g/cm ³	0.965	0.965	0.952	0.954	0.95	0.924	0.926
Flex Modulus ASTM D790B, kpsi.	225	210	160	170	155	60	61
Tensile Strength at Yield ASTM D638, psi.	4700	4700	3900	4000	3900	2200	1800
FDA	Y	Y	Y	Y	Y	Y	Y
Animal Derived Material Free	Y	Y	Y	Y	Y	Y	Y
Application	Food, Beverage, Personal Care, Household Chemicals	Food, Beverage, Personal Care, Household Chemicals	Food, Beverage, Personal Care, Household Chemicals	Food, Beverage, Personal Care, Household Chemicals	Food, Beverage, Personal Care, Household Chemicals	Food, Beverage, Personal Care, Household Chemicals	Food, Beverage, Personal Care, Injection Molding

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.





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.