

Formolene® Polypropylene | Automotive Programs

Quality, Value and Performance



Formosa Plastics®

The Reliable Source for Polymer Solutions

Discover Formolene® Polypropylene for Automotive Programs

When quality, value and performance are essential for your success, Formosa is your choice.

Formosa grades offer the versatility that you need in component fabrication, for interior or exterior applications, for under the hood or under the vehicle, and for injection or extrusion processes, with the quality, value and performance that you expect.

Our state-of-the-art production facilities reliably deliver a full range of homopolymer and copolymer polypropylene resins with the quality and consistency necessary to meet or exceed automotive parts' exacting requirements.

Formosa has served the automotive market for years with innovative products. Our broad, growing and ever-more sophisticated portfolio of Formolene® polypropylene resins are designed to perform, as well as open opportunities for cost savings.

Quality, value and performance, backed by top-notch technical service -- this is our commitment to your success.

Interior Applications

Formosa's polypropylene resins enable you to produce consistent, capable components quickly and profitably. Our grades are designed and engineered for improved processability while delivering key functional properties essential for meeting your customers' toughest requirements.

A broad range of interior grades is available to enable the perfect choice for either injection molding or extrusion processes, without compromise.

- Interior trim - both above and below shoulder level.

- Functional surfaces such as seat backs and access panels/covers.
- Supporting components including hangers and fillers.



Under the Hood Applications

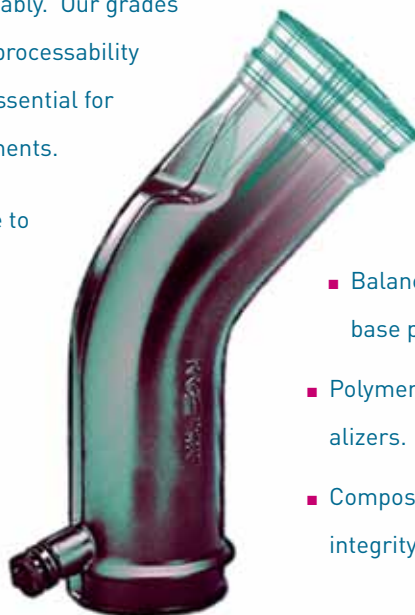
Our homopolymers and copolymers meet or exceed the chemical and heat resistance needed to ensure long term durability. They offer an outstanding balance of toughness and stiffness to meet requirements for long component service life.

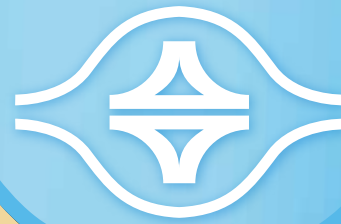
- Batteries.
- Foamed surfaces.
- Tubing and conduits.

Materials for Compounding

Our lines of compounding homopolymer and copolymer resins offer optimized polymer structures designed to ease processing.

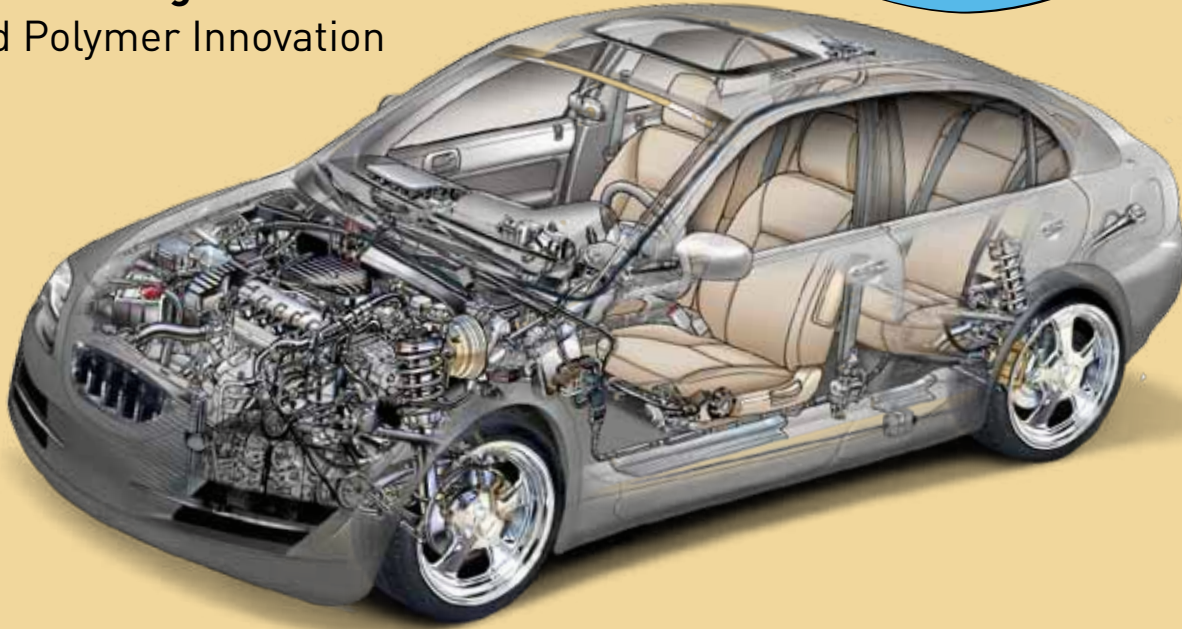
- Balance of toughness and stiffness to provide necessary base properties.
- Polymer design to optimize the addition of fillers and stabilizers.
- Composition to ensure part appearance and mechanical integrity.





Optimized Resins for Automotive Programs

Applied Polymer Innovation



Products & Technical Specifications (Selected Materials)

GRADES	6335N	2510A	6502A	6535N	6600A	6610A	6620A	6630A
MATERIAL TYPE	Low Impact Copolymer	Medium Impact Copolymer	Medium Impact Copolymer	Medium Impact Copolymer	High Impact Copolymer	High Impact Copolymer	High Impact Copolymer	High Impact Copolymer
APPLICATION	Compounding, Interior Trim	Battery	Compounding, Interior Components	Interior Trim	Blow Molding	Compounding, Interior Components	Compounding, Interior Trim	Compounding, Interior Trim
MELT FLOW	35	10	1.2	35	0.5	10	20	30
TENSILE STRENGTH	4,300	3,550	3,750	3,400	3,650	3,200	3,100	2,800
ELONGATION (YIELD)	7	7	9	100 (break)	10	7	7.5	7
FLEX MODULUS	220	150	155	155	155	145	140	125,000
IZOD @ 73 °C	1.3	2.1	14	2.5	NB	NB	10	10
IZOD @ -18 °C	0.7	1.2	1.7	1.5	2.1	1.7	1.1	1.1
HDT @ 66 PSI	95	93	95	97	86	95	85	90

See www.fpcusa.com/pp for our complete polypropylene products portfolio.

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 require — 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 vehicle 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.

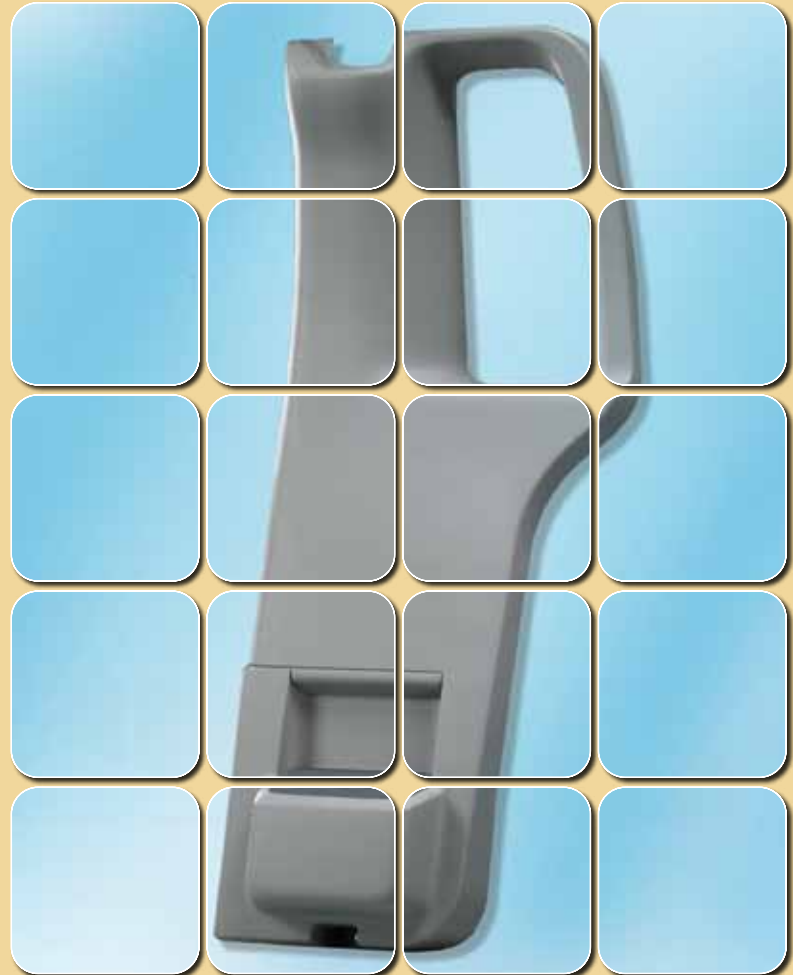
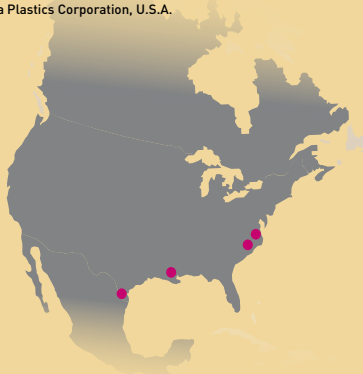
Our business operations include production of:

polyethylene, polypropylene, vinyl (suspension PVC), dispersion PVC, 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 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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