



Formosa Plastics®

## Formolene® Polypropylene Thermoformed Rigid Packaging

Quality, Value and Performance

## Discover Thermoformed Formolene® Polypropylene

When success is essential, Formosa is your quality choice

Whether you produce packaging applications for snack or prepared foods, refrigerated or room temperature food packaging, beverages, service ware, or even bulk handling, quality, value and performance are critical. Our optimized technologies help to enable your success. With FDA "A" through "F" grades, excellent organoleptics and extractables performance, Formosa brings safe, clean and high quality technology to your packaging applications.

Formosa has served the rigid packaging markets for years with high quality, innovative products. Our broad, growing and ever-more sophisticated portfolio of Formolene® resins designed for thermoforming will meet the requirements of your most demanding packaging applications, enabling the innovative designs necessary to meet your customers' most challenging requirements. Formosa has continued a program of

### Delivering Value

Your goal is consistent packaging. Our broad line of optimized grades, with their inherent processability bring consistency and performance to the extrusion process for your packaging applications. The result:

- Optimized additive formulations and easy-flow polymers for cycle time improvements;
- FDA "A" through "F" grades, with excellent organoleptics and extractables performance;
- Uniform wall distribution and thin wall sections are enabled by products of high quality and consistency.



significant investment in building, expanding and streamlining our production facilities to bring the highest quality products 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.



### Defining Performance

Our broad line of optimized polypropylene grades will meet your most specific and demanding application requirements.

We bring:

- Tailored copolymers, random copolymers and homopolymers that offer a range of properties to meet in-use performance requirements;
- Enhanced appearance with excellent clarity, low yellow index and consistent opacity;
- Stiffness and impact balance to enhance protective function.



Formosa Plastics®

# Optimized Resins for Thermoforming Applied Polymer Innovation



Food



Stadium Cups



Deli Containers



Shelf Stable



Dairy



Storage Containers

## Products & Technical Specifications (Selected Materials)

GRADES	5143C	5143H	5143N	4147H	3302B	6501A	6502A
MATERIAL TYPE	Homopolymer	Homopolymer	Homopolymer	Homopolymer	Random	Copolymer	Copolymer
MELT FLOW	2.1	2.1	3.2	2.1	2.3	0.7	1.2
TENSILE STRENGTH	5,300	5,300	5,300	5,300	4,300	3,800	3,800
ELONGATION	6	6	6	6	13	10	9
NOTCHED IZOD @ 73	0.7	0.7	0.7	1.0	3.5	NB	NB
FLEX (k)	245	245	245	245	160	175	175
HEAT DEFLECTION TEMP @ 66 PSI, °C (°F)	116 (241)	116 (241)	116 (241)	116 (241)	90 (194)	95 (203)	95 (203)
FDA	Y	Y	Y	Y	FDA "A"	Y	Y
ANIMAL DERIVED MATERIAL FREE	Y	Y	Y	Y	Y	N	N
DESCRIPTION	High Clarity and Good Processing	Good Clarity and Processing	Higher Melt Flow, Good Clarity and Processing	Good Clarity, Neutral Tint, Fast Processing and Uniform Shrinkage	Good Clarity, Neutral Tint, Fast Processing and Uniform Shrinkage	Low Melt Flow	Good Processability

## 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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