

# Thermoformed Formolene® Polypropylene for Rigid Packaging

Quality, Value and Performance



**Formosa Plastics®**

The Reliable Source for Polymer Solutions

## 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.





## Optimized Resins for Thermoforming Applied Polymer Innovation



Food



Stadium Cups



Deli Containers



Shelf Stable



Dairy



Storage Containers

## Products & Technical Specifications (Selected Materials)

GRADES	5100J	5143H	4147H	5143S	5140L	3302B	6501A	6502A
MATERIAL TYPE	Homopolymer	Homopolymer	Homopolymer	Homopolymer	Homopolymer	Random	Copolymer	Copolymer
MELT FLOW	0.5	2.1	2.1	3	5	2.3	0.7	1.2
TENSILE STRENGTH	4,900	5,300	5,500	5,750	5,700	4,200	3,600	3,750
ELONGATION	9	6	7	7	7	13	10	9
NOTCHED IZOD @ 73	0.9	0.7	1.4	0.7	0.9	4	NB	NB
FLEX (k)	190	245	250	295	280	150	160	155
HEAT DEFLECTION TEMP @ 66 PSI, °C (°F)	110 (230)	116 (241)	122 (252)	122 (252)	123 (253)	90 (194)	95 (203)	95 (203)
FDA	Y	Y	Y	FDA "A"	FDA "A"	Y	Y	Y
ANIMAL DERIVED MATERIAL FREE	N	Y	Y	Y	N	N	N	N
DESCRIPTION	Fractional Melt Flow	Good Clarity and Processing	Improved Clarity and Aesthetics, Impact Strength and Easier Processing	Higher Melt Flow with High Stiffness – Lightweighting Potential	Very High Melt Flow and Stiffness	Good Clarity and Processing	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.

## 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, 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](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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