



Formosa Plastics®

Formolene® Polypropylene Resins
Thermoformed Rigid Packaging
Quality, Value and Performance



Discover Formolene® Polypropylene Resins for Thermoformed Applications

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.

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 significant investment in building, expanding and streamlining our resin 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.

Delivering Value

Your goal is consistent, high-performance packaging. Our broad line of polypropylene resin grades, with their inherent processability, delivers the consistency and performance required in extrusion processes for demanding packaging applications. The result:

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



Defining Performance

Our broad line of polypropylene resin grades is engineered to meet your most specific and demanding application requirements. We deliver:

- Tailored copolymers, random copolymers, and homopolymers offering a range of properties to meet in-use performance demands
- Enhanced appearance through excellent clarity, a low yellow index, and consistent opacity
- Balanced stiffness and impact strength to enhance protective performance





Optimized Resins for Thermoforming Applications

Applied Polymer Innovation



Food



Cups



Deli Containers



Shelf Stable



Dairy



Storage Containers

Products & Technical Specifications (Selected Materials)

Grade	Random	Homopolymer			Impact Copolymer		
	3302B	5143C	5143H	5143N	5147L	6501A	6502A
Melt Flow Rate ASTM D1238, g/10 min	2.3	2.1	2.1	3.2	2.5	0.7	1.2
Tensile Strength ASTM D638, psi	4,300	5,300	5,600	5,600	5,900	3,800	3,800
Elongation ASTM D638, psi.	13	6	7	7	7	10	9
Notched Izod @ 73 °F ASTM D256A, 0.7 ft-lb/in	3.5	0.7	0.7	0.7	0.4	NB	NB
Flexural Modulus ASTM D790. (k) psi.	160	250	250	250	300	175	175
Heat Deflection Temp @ 66 PSI, °C (°F)	90°C / 194°F	116°C / 241°F	124°C / 255°F	124°C / 255°F	130°C / 266°F	95°C / 203°F	95°C / 203°F
FDA	FDA "A"	Y	Y	Y	Y	Y	Y
Animal Derived Material Free	Y	Y	Y	Y	Y	Y	Y
Description	Good Clarity, Neutral Tint, Fast Processing And Uniform Shrinkage	High Clarity And Good Processing	Good Clarity And Processing	Higher Melt Flow, Good Clarity And Processing	Enhanced Mechanical Properties, Fast Processing with Superior Stiffness and Strong Top- load Performance	Low Melt Flow	Good Processability

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.





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