



**Formosa Plastics®**

**Formolene® Polypropylene Resins  
Consumer Programs**  
Quality, Value and Performance



## Discover Formolene® Polypropylene Resins for Consumer Programs

Formosa's injection grade polypropylene resins offer the quality you need for all aspects of the consumer products market, including Housewares, Furniture and key sub-market segments like Lawn and Garden Equipment, Crates and Specialty Containers, Games and Toys, Infant/Child Automotive Seats, and Recreational and Sporting Goods.

Formosa serves the Consumer Programs market with high quality, innovative Formolene® polypropylene products. Our broad, growing and ever-more sophisticated portfolio offers a full line of impact copolymer, random copolymer and homopolymer polypropylene resins with the very latest processability advantages.

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

## Delivering Value

Formosa's random copolymer and homopolymer resins produce consistent, capable components quickly and profitably. Their inherent processability and targeted properties bring high clarity and aesthetic value to both component parts and finished products:

- Clarity and brightness produce eye-catching housewares
- Mold and part release additives assure reliable, rapid processability and handling
- Excellent organoleptics and extractables ensure consistent FDA compliance

## Defining Performance

Our impact copolymer and homopolymer polypropylene resins provide an outstanding balance of toughness and stiffness, to achieve the long-term durability and service life needed for consumer products:

- Our latest high melt flow grades offer opportunities for cost savings through improved processing efficiency
- Engineered polymer structures ensure proper and reliable part consistency
- Optimized additive formulations provide excellent processability, both at the press and during subsequent material handling



## Optimized Resins for Consumer Programs

*Applied Polymer Innovation*



Outdoor Chairs



Storage Containers



Toys



Deck Boxes

### Products & Technical Specifications (Selected Materials)

Grade	4142T	4142N	4143T	4100N	3335E	3355E	3380E
	Homopolymer	Homopolymer	Homopolymer	Homopolymer	Random Copolymer	Random Copolymer	Random Copolymer
Melt Flow Rate ASTM D1238, g/10 min	35	12	35	12	35	55	80
Tensile Strength at Yield ASTM D638, psi.	5,700	5,700	5,700	5,100	4,200	4,200	4,200
Elongation at Yield ASTM D638, %	7	7	7	9	15	14	14
Flex Modulus ASTM D790, psi.	260,000	260,000	260,000	200,000	150,000	150,000	160,000
Notched Izod @ 73 °F ASTM D256A, ft-lb/in	0.5	0.8	0.5	0.5	1.2	1.0	1.1
FDA	Y	Y	Y	Y	Y	Y	Y
Nucleation	Y	Y	Y	Y	N	N	N
Description	High MFR With Fast Cycle Time And Easy Mold Release	Fast Cycle Time And Easy Mold Release	High MFR With Fast cycle Time And Easy Mold Release	High MF Environmental Stress Crack Resistance	Advanced Clarity And Excellent Mold Release	High MFR With Advanced Clarity And Excellent Mold Release	Very High MFR With Advanced Clarity And Excellent Mold Release



Sharps Container



Petri Dishes



Coolers

3435E	3455E	6375N	6520N/2520N	6535A/2535A	6575N/2575N	6630A
Random Copolymer	Random Copolymer	Low Impact Copolymer	Medium Impact Copolymer	Medium Impact Copolymer	Medium Impact Copolymer	High Impact Copolymer
35	55	75	20	35	75	30
3,800	3,600	4,200	3,600	3,200	3,300	2,700
16	15	5	6	6	6	6
130,000	125,000	200,000	175,000	145,000	155,000	125,000
1.5	1.3	1.5	2.7	2	3	10
Y	Y	Y	Y	Y	Y	Y
N	N	Y	Y	Y	Y	Y
Enhanced Impact Strength With Advanced Clarity And Excellent Mold Release	High MFR, Enhanced Impact Strength With Advanced Clarity And Excellent Mold Release	Very High MR With Fast Cycle Time	Fast Cycle Time And Easy Mold Release	High MFR With Fast Cycle Time	Very High MFR With Fast Cycle Time And Easy Mold Release	Excellent Balance Of Stiffness And Cold Temperature Impact



## Our Commitment to Our Customers

At Formosa, we're dedicated to providing innovative products, consistent quality, unsurpassed service, and reliable on-time delivery. Our technical teams ensure you receive products that perform consistently, while our service teams help you optimize performance and maximize the value of our products.

With the largest private rail fleet in the industry, you can track your orders and 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 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 dedicated to advancing the United Nations' 17 Sustainable Development Goals. Our sustainability information reflects our responsibility as a global company and local corporate citizen.

Every action, big or small, contributes to a better world today and for future generations.

To learn more about our sustainability initiatives, please visit [www.fpcusa.com/sustainability](http://www.fpcusa.com/sustainability).





**Formosa Plastics<sup>®</sup>**

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.