Polypropylene engineered for a wide variety of applications

Injection Molding
Blow Molding
Extrusion Thermoforming
Sheet Extrusion
Total Petrochemicals USA, Inc. is one of the world’s leading producers of polypropylene and sets the global standard for innovation and dedication to customer service.

Total Petrochemicals is a subsidiary of Total S.A., the world’s fourth-largest integrated petroleum company. We have production facilities in North America and Europe, including our La Porte production plant near Houston, Texas, which is the largest single-site polypropylene facility in the world.

Building on the technology and expertise of our global company, Total Petrochemicals is positioned to serve the polypropylene market with the widest possible range of resins, including homopolymers, impact copolymers and random copolymers produced using a variety of process technologies. Total Petrochemicals is also a leader in the development and commercialization of new propylene-based polymers using proprietary metallocene catalyst technology.

We have long been recognized for service and product leadership in the fiber and film markets. Today we are also known as a leading producer of polypropylene resins serving the injection molding, injection blow molding, extrusion thermoforming and extrusion blow molding markets.

As one of the largest producers of polypropylene in the world today, Total Petrochemicals is committed to maintaining its leadership in technology and customer service. With major research facilities in the U.S. and Europe we will work to stay on the leading edge of technology. Combined with our responsive customer service, delivery lead time and product reliability, Total Petrochemicals strives to be your supplier of choice.
**Injection Molding**

Our polypropylene is ideally suited for the injection molding process. A wide range of end-use products benefit from the rigidity, toughness, chemical and temperature resistance of our resins. Products ranging from consumer packaging, containers for food or cosmetics to medical uses and industrial packaging are all well matched to the properties of our complete line of polypropylenes.

Having low density and excellent processability, our polypropylene is engineered for good performance in injection molding applications. Low weight along with high strength and chemical inertness is a favorable property for many products in the market today. Our resins can also be readily compounded or colored in the melt phase and formulated for specific additional properties, such as extra stiffness, controlled gloss, static dissipation and resistance to UV. While we strive for ease of processing and good properties, we realize aesthetics play a vital role in the end product. With an ever expanding line of resins we remain adaptable to the changing needs of design and fashion.

Our commitment to the polypropylene market is reflected in our dedication to research and technology. By continuously developing processes and testing new resins, our people stay at the forefront of new technologies. Through these efforts we are constantly monitoring the evolution of the injection molding process while we develop new polypropylene products to fit your ever changing needs.

**Blow Molding**

Our polypropylene resins are in some of the most innovative rigid packaging applications today. From homopolymers for soda, water and cosmetic containers through clarified, random copolymers for medicine vials, food containers and juvenile care bottles to impact copolymers for portion packages, our extensive line of resins offers a solution to most of your rigid packaging applications.

Clarity, stiffness, heat resistance, cleanliness and chemical resistance make our polypropylene an ideal choice for the injection-stretch blow molding process. Our resins will help you produce bottles and containers with excellent see-through and contact clarity, with high gloss, suitable for hot-filling and resistant to household industrial chemicals as well as the added advantage of being lighter in weight and lower in cost. And for your more innovative applications, we have developed families of metallocene-isotactic propylene homopolymers, ethylene-propylene random copolymers and syndiotactic propylene polymers which have lower extractables, are clearer and more dimensionally stable than conventional polypropylene resins. If you have a blow molding application, we have a resin to fit your needs.

With Total Petrochemicals polypropylene you not only get quality product, you get excellent technical support and innovation. Our people have years of experience developing and producing resins to fit the needs of your market. We are constantly working to provide innovative solutions to expand your options, and continually striving to improve existing markets.
**Sheet Extrusion and Thermoforming**

Continuous improvements in polymer manufacturing and formulations plus extrusion and forming equipment technologies have resulted in much greater use of our polypropylene in sheet extrusion and thermoforming applications. Products ranging from flat and corrugated sheet for displays, signage and boxes to thermoformed food containers, meat trays and cups benefit from our novel catalyst and production technology. Our product offering provides finished parts with exceptional transparency and gloss, resulting in the most cost-effective alternative to other clear materials.

Total Petrochemicals polypropylene represents the industry’s newest and most advanced product technologies in sheet extrusion and thermoforming applications. From high clarity to improved impact-stiffness balance and improved melt strength, along with faster production rates, reduced sheet sag and a broader processing window our resins ensure the best processability for your products. Along with the careful selection of nucleating and clarifying additives our advanced technology has created the industry standard in terms of optical properties.

As an industry leader in extrusion and thermoforming applications we have developed metallocene catalysts for polypropylene that promises to advance the technology of our ultra-clear resins for exciting uses in the future. Designed specifically for these applications, metallocene polymers exhibit dramatically lower extractables, better organoleptics and remarkable clarity. These are the results of our dedication to develop new technology for the extrusion sheet and thermoforming market.

**Research and Technology**

The Research and Technology Center is dedicated to keeping you and Total Petrochemicals at the forefront of technology advancement in polypropylene. Our fully integrated research and development, pilot plant and applications testing facility is equipped with the most sophisticated hardware in the industry. Here we can test your ideas, evaluate resins, explore more efficient production techniques, develop new products and offer solutions. This is all part of our dedication to develop better products and support our customers in their markets.

Your Technical Service representative can help you determine the best resin for your application. Through in-depth material analysis, mechanical and physical testing to compounding and end-use processing, we can help you find the right product for your specific needs. And with every major polypropylene processing technique represented by at least one full-scale industrial machine, our technical staff can evaluate materials under true production conditions.

The real strength of the Research and Technology Center is our people. As the technical liaison between you and our company, dedicated, flexible Technical Service specialists can help you create and optimize product formulations, troubleshoot problems at your facility and assist in developing your ideas. Through our Technical Service you have the coordination, expertise and direct contact you need to help you develop your growing market.
Total Petrochemicals’ uncompromising commitment to service adds immeasurable value to our line of products.

Our selection of high quality resins is extensive and no other supplier compares with our brand of customer service. Our support for each customer is ongoing - from initial product trial, through successful commercialization, and on to full optimization. Highly experienced Customer Service Representatives excel at understanding and responding to your product needs and your critical deadlines. Centrally located in Houston, Texas, this team of skilled professionals is integral to our approach of offering not just products, but solutions.

Total Petrochemicals’ Sales organization is structured exclusively to meet the needs of our customers. Our Sales representatives serve customers in the injection molding, blow molding and extrusion markets with seamless coverage. Our polypropylene sales people are thoroughly trained to know the specific properties of each product in our portfolio, plus they are experienced at working with our Technical Service experts and Market Development specialists to recommend the best polymer solutions for each customer’s unique product needs.

For a personal answer about what Total Petrochemicals can do for you, call your polypropylene sales representative today.
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