



RTP Company

Your Global Compounder of
Custom Engineered Thermoplastics



RTP Company is a leading global compounder of custom engineered thermoplastics... and so much more! With more than 1,700 employees and over 20 facilities worldwide, we have the expertise and technology to solve your most challenging application requirements. And, as an independent, privately held company, we provide objective, unbiased guidance toward the best thermoplastic solution for your application. We are committed to providing you with solutions, customization, and service for all of your thermoplastic needs.

Whether you need a very specific compound or an unfilled resin, we work with most thermoplastic resin systems and hundreds of modifiers to provide the right solution for you. We offer a wide range of technologies available in pellet, sheet, and film that provide color, conductivity, flame retardancy, structural, elastomeric, and wear and friction resistant properties.

RTP Company at a Glance

- Privately-owned thermoplastics manufacturer
- Leader in custom engineered compounds
- Independent, unbiased product development
- Global representation and distribution
- 20+ facilities worldwide
- ISO 9001 Registered facilities



Strengthen Your Team ...

with our experienced engineers. We partner with you throughout application development, bringing added creativity and expertise to your design.

Improve Your Design ...

with innovative solutions using leading-edge technologies that provide ideal answers to complex application problems.

Reduce Time to Market ...

with our short lead times. Color matches, engineered samples, and standard production orders are shipped in just 3-10 working days.

Color Solutions



Color is a great way to enhance your plastic product and build brand recognition. We can color match virtually any hue or chroma; in addition, we can add functional technologies like light diffusion or UV protection. Whether you select from our palette of popular, successfully proven Color solutions, or choose a custom formulation, our experienced colorists deliver consistent color every time. We offer a wide variety of options, including:

- Precolors
- Masterbatches
- Cube blends
- Functional additives

If you need guidance with color selection, we have an excellent resource: Hueforia, the Colour Development Team of RTP Company. Hueforia brings together our color experts, technicians, and a shared color database to serve as an outstanding resource for designers and marketing professionals who want to differentiate their plastic products in the marketplace.

Conductive Solutions



We have a broad range of Conductive solutions that provide control of static charge, EMI/RFI shielding, and thermal management, depending on your application needs. Whether you want to facilitate conductivity or prevent it, we have a solution for you. Our spectrum of offerings includes:

- Anti-Static Compounds that prevent accumulation of static charge
- Static Dissipative Compounds to control dissipation of static charge
- Conductive Extrusion Compounds that optimize dispersion and extrusion performance
- EMI/RFI Shielding Compounds that absorb or reflect electromagnetic energy
- Conductive Compounds to provide nearly instantaneous charge decay
- Thermally Conductive Compounds, either electrically conductive or isolative, to manage heat build-up

Flame Retardant Solutions



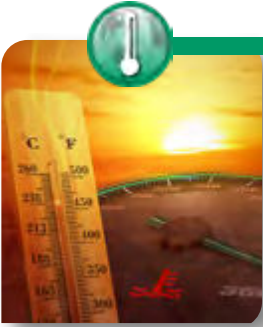
Whether you are developing a new product, entering a new market, or need to reformulate to meet evolving regulations, We can assist with a wide variety of Flame Retardant solutions. Our Flame Retardant Compounds cover a broad technology platform, including:

- Halogen-free technology
- Halogenated technology
- Technology for over 30+ thermoplastic resins

In addition, our Flame Retardant solutions meet flammability performance specifications and allow you to obtain regulatory compliance such as:

- UL
- Transportation
- Building and Construction
- Global standards

High Temperature Solutions



High temperature resins offer better mechanical performance, wear resistance and chemical resistance than other polymers. We compound these high temperature resins with fillers and modifiers to provide even more benefits, including:

- Strength and stiffness
- Impact resistance
- Dimensional stability
- Excellent electrical properties at high temperatures
- Ability to withstand extreme conditions

In addition, our high temperature compounds can be modified to meet specific regulatory requirements, wear and friction specifications, and the precise color you need for aesthetics!

Long Glass Fiber Solutions



Made from continuous fibers that extend the entire length of the thermoplastic pellet, our Long Glass Fiber Compounds are strong, lightweight, and resistant to impact. These compounds are excellent material options for replacing metal parts and reducing part weight, and can be further customized with additives that provide:

- Temperature performance
- Long-term heat aging resistance
- Low VOC/odor release
- UV protection
- Creep resistance
- and more!

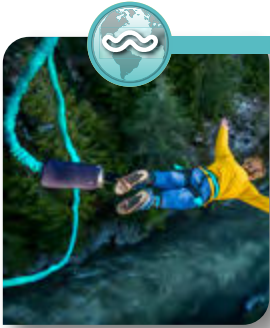
Structural Solutions



Structural solutions provide excellent stiffness, strength, impact, and overall toughness – even in extreme temperatures and corrosive environments. The performance spectrum of our portfolio spans from cost-optimized commodities to the highest performing Ultra Performance Compounds, and includes most polymers from Polypropylene to PEEK. Structural integrity can be predicted and preserved to meet your specific end-use requirements by using appropriate fillers, reinforcements, and additive technologies, such as:

- **Fibers:** Glass, carbon, and natural fibers
- **Blends & Alloys:** Blends, alloys, and melt- processable performance additives
- **Fillers:** Talc, mineral, beads, and powder fillers
- **Density Modified:** Light or heavy; 0.7 g/cm³ to 11.0 g/cm³

Thermoplastic Elastomer (TPE) Solutions



We provide Thermoplastic Elastomer solutions, ranging from off-the-shelf resins to complex custom compounds. Whether your application requires a soft, tactile feel or tough, durable performance, our TPE products can be compounded to include a variety of other desirable properties. Our TPE product offerings include:

- The RTP 2700 Series (SBCs), which provide extremely soft to semi-rigid tactile feel
- RTPrene® (TPV-based), for durable goods applications requiring chemical resistance and weatherability
- Polabond® and Nylabond® TPEs, for excellent overmolding capability
- Specialty TPEs, custom formulated with functional additives for precise performance

Thermoplastic Polyolefin (TPO) Solutions



Our TPO Compounds are specially formulated to provide the perfect balance of stiffness, cold temperature impact resistance, and low thermal expansion, making them ideal materials for parts where weatherability and durability in all conditions is crucial. Our TPO solutions can be further customized for:

- Specific density
- Sustainability
- Scratch resistance
- Color and paint-ability
- UV resistance

Wear and Friction Resistant Solutions



Our Wear and Friction Resistant solutions provide optimal performance of mating parts and materials in motion. We can solve many wear and friction issues such as abrasion, noise, vibration, sliding, external lubrication, scratches, marring, corrosion, or extreme conditions. We offer a wide range of thermoplastic compounds, featuring:

- Abrasion Resistance (ABR)
- Buzz, Squeak, and Rattle (BSR) noise reduction
- Glide FactorSM – a solution for stiction
- Internal lubrication to eliminate external lube and secondary operations
- Surface Protection (SPR) for glossy surfaces
- Extreme performance (enhanced mechanicals, temperature and chemical resistance)

Engineered Sheet Products, *for thermoplastics in sheet form*



When you need extruded sheet, our Engineered Sheet Products™ (ESP™) division will manufacture your specialty engineered thermoplastic sheet in a variety of sizes and thicknesses. Our dedicated facility produces thermoplastic sheet with a wide range of additional properties, such as color, anti-static, flame retardant, high temperature, structural reinforcement.

ESP™ sheet is ideal for thermoform, machining, or flat stock for markets such as the electronic, agricultural, automotive, medical, aerospace, military, and defense industries.

Wiman, *your source for plastic film*



Wiman Corporation, a wholly-owned subsidiary of RTP Company, produces customized, high quality plastic films and film laminates through a flat die extrusion process. This broad line of films ranges from flexible to rigid, and is available in a wide range of thicknesses, with widths up to 60 inches.

Our plastic films and film laminates feature tight tolerances, edge-to-edge consistency, and zero pinholes for the medical, automotive, industrial, secure cards (financial and government), and printing industries.

Wiman 



CONSUMER GOODS



SPORTS & LEISURE



MEDICAL



**AGRICULTURAL & NON-AUTOMOTIVE
TRANSPORTATION**



AUTOMOTIVE

RTP Company serves a wide variety of industries, and each relies on us to provide outstanding solutions to their application challenges. In fact, we provide the thermoplastic technology behind some of the most famous brands in the world!



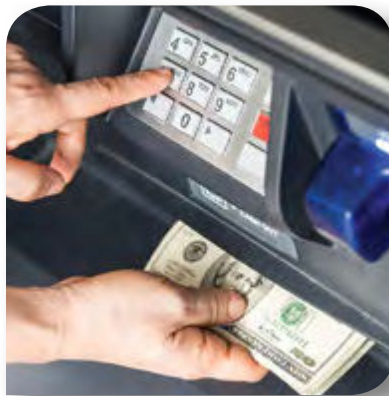
ENERGY



INDUSTRIAL



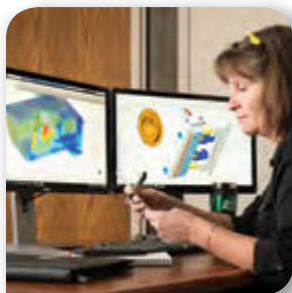
ELECTRICAL & ELECTRONICS



BUSINESS & CASH MACHINES



DEFENSE & AEROSPACE



Computer-Aided Engineering Support (CAE)

Our dedicated CAE Services team is ready to assist you with technical design issues,

from conception of an idea to final part manufacturing. We offer Moldflow® injection molding analysis, structural analysis (FEA), plastic part and mold design assistance, and more!



Hueforia

Hueforia, the Colour Development Team at RTP Company, is comprised of creative colour formulation experts who can assist you with selection from

our standard thermoplastic colours, universal colour masterbatches, specialty performance additives, custom colours, or special effect compounds.



Contract Manufacturing

Using our Contract Manufacturing services, you can enhance your product line with specialty compounds and expand your capacity without increasing your overhead. We can provide you with custom and private-label compounds utilizing a variety of compounding technologies.



ResMart, a partner for unfilled resin

RTP Company is the official sales representative for

ResMart, a distributor of

off-the-shelf, unfilled resins. If you are in need of unmodified resins, we can offer excellent pricing on commodity resins. ResMart is headquartered in Fort Worth, Texas, with several convenient locations throughout the United States.



Moldflow® is a Registered Trademark of Autodesk Inc.

Specialty compounding is an exacting, yet creative, science. RTP Company enhances these and other resin systems with a wide range of additives and reinforcements. The result is a unique material that meets your design criteria for performance and appearance.

| RTP SERIES | BASE POLYMER | ABBR. |
|------------|---------------------------------------|---------|
| 100 | Polypropylene | PP |
| 200 | Nylon 6/6 | PA 6/6 |
| 200 A | Nylon 6 | PA 6 |
| 200 B | Nylon 6/10 | PA 6/10 |
| 200 C | Nylon 11 | PA 11 |
| 200 D | Nylon 6/12 | PA 6/12 |
| 200 E | Amorphous Nylon | PA |
| 200 F | Nylon 12 | PA12 |
| 200 H | Impact-Modified Nylon 6/6 | PA 6/6 |
| 200 K | Polyarylamide | PARA |
| 300 | Polycarbonate | PC |
| 400 | Polystyrene | PS |
| 500 | Styrene Acrylonitrile | SAN |
| 600 | Acrylonitrile Butadiene Styrene | ABS |
| 700 | High Density Polyethylene | HDPE |
| 700 A | Low Density Polyethylene | LDPE |
| 800 | Acetal | POM |
| 900 | Polysulfone | PSU |
| 1000 | Polybutylene Terephthalate | PBT |
| 1100 | Polyethylene Terephthalate | PET |
| 1200 S | Ester-based Thermoplastic Elastomer | TPUR |
| 1200 T | Ether-based Thermoplastic Elastomer | TPUR |
| 1300 | Polyphenylene Sulfide | PPS |
| 1400 | Polyethersulfone | PES |
| 1400 P | Polyphenyl sulfone | PPSU |
| 1500 | Polyether-Ester Block Copolymer (TPE) | TEEE |
| 1700 | Modified Polyphenylene Oxide | PPO |

| RTP SERIES | BASE POLYMER | ABBR. |
|------------|--|---------|
| 1800 | Acrylic | PMMA |
| 2000 | Bioplastics Compounds and Custom Alloys | |
| 2100 | Polyetherimide | PEI |
| 2200 | Polyetheretherketone | PEEK |
| 2200 A | Polyetherketone | PEK |
| 2300 | Rigid Thermoplastic Polyurethane | RTPU |
| 2500 | Polycarbonate/ABS Alloy | PC/ABS |
| 2600 | Thermoplastic Polyolefin Elastomer (TPE) | TEO |
| 2700 | Styrenic Block Copolymer (TPE) | SBC TPE |
| 2800 | Thermoplastic Vulcanizate Elastomer | TPV |
| 2900 | Polyether-Block-Amide (TPE) | PEBA |
| 3000 | Polymethylpentene | PMP |
| 3100 | Perfluoroalkoxy | PFA |
| 3200 | Ethylene Tetrafluoroethylene | EFTE |
| 3300 | Polyvinylidene Fluoride | PVDF |
| 3400 | Liquid Crystal Polymer | LCP |
| 3900 | Polyetherketoneetherketoneketone | PEKEKK |
| 4000 | Polyphthalamide | PPA |
| 4000 A | Hot Water Moldable Polyphthalamide | PPA |
| 4100 | Polyetherketoneketone | PEKK |
| 4200 | Thermoplastic Polyimide | TPI |
| 4300 | Polysulfone/Polycarbonate Alloy | PSU/PC |
| 4400 | High Temperature Nylon | HTN |
| 4500 | Polyketone | PK |
| 4600 | Syndiotactic Polystyrene | SPS |
| 4900 | Thermoplastic Polyolefin | TPO |
| 6-7000 | Specialty Thermoplastic Elastomer | TPE |

OUR COMMITMENT TO YOU

Although RTP Company has more than 1,600 employees, we are a close-knit, family-oriented organization that is single-mindedly committed to providing you with the precise solution you need for an outstanding thermoplastic part or product. As a privately held company, we have a shared interest in responding to your needs quickly, without a lot of bureaucracy or internal hurdles to overcome.

With more than 2 million square feet of production space around the globe, hundreds of extruders, and

millions of pounds of capacity, we are well equipped to serve you with consistent thermoplastic materials, wherever your facilities may be located. No other plastics company has the unique resins, additives, compounds, equipment, expertise, or service that you'll find at RTP Company.

But what makes us really special is our people... our dedicated staff cares for your company, and delivers personalized service, every day. From made-to-order high tech custom compounds to off-the-shelf, unfilled resins, we are here to help your business succeed!

Contact your local RTP Company representative today, or visit www.rtpcompany.com.



Your Global Compounder of Custom Engineered Thermoplastics

RTP COMPANY THERMOPLASTIC TECHNOLOGIES



COLOR

We offer precolored resins, UniColor®, Masterbatches (including Color Conduit), and cube blends for plastic parts ranging from automotive to rocket components and medical devices to toothbrush handles. Our Hueforia color experts provide color selection advice and precise custom color matching services.



CONDUCTIVE

We offer compounds for electrostatic discharge (ESD) protection, thermal management, EMI shielding, or PermaStat® permanent anti-static protection. Available in particulate and all polymeric-based materials, these compounds can be colored as well.



FLAME RETARDANT

Whether you are developing a new product or need to reformulate due to ever-changing regulations, we can custom engineer a flame retardant material with the exact properties you require.



HIGH TEMPERATURE

We formulate our high temperature compounds precisely to retain their performance properties, provide better dimensional stability, and offer excellent electrical characteristics in continuous-use high temperatures.



LONG GLASS FIBER

As pioneers in developing a proprietary pultrusion process, we've perfected the manufacturing of our Long Glass Fiber (LGF) Compounds. These pellets encapsulate long fibers for superior strength, stiffness and impact resistance, making them ideal for metal replacement.



STRUCTURAL

Our reinforced Structural Compounds are formulated to increase strength and stiffness, and provide resistance to impact, creep, and/or fatigue. These materials can be customized to meet cost and performance targets.



TPE

Our thermoplastic elastomers provide rubber-like performance with the processing benefits of thermoplastic resin. Our portfolio ranges from standard, in-stock resins to custom compounds designed to meet your specifications.



TPO

For stiff, lightweight, and impact resistant material, our Thermoplastic Polyolefins are your solution, providing excellent low temperature ductility, as well as UV- and scratch/mar-resistance.



WEAR RESISTANT

Our wear resistant thermoplastic compounds can incorporate internal lubricants to reduce wear and friction, thereby lengthening the service life of your application and reducing your processing costs.



ENGINEERED SHEET

We're your one-stop-shop for thermoplastic sheet. We can offer you a unique material, designed with these technologies and extruded to meet your exact sizing requirements.



FILM – WIMAN

Through our sister company, Wiman Corporation, we can provide you with polymer film in a variety of resins, and customized with additives to provide specific properties.

No information supplied by RTP Company constitutes a warranty regarding product performance or use. Any information regarding performance or use is only offered as a suggestion for investigation for use, based upon RTP Company or other customer experience.

RTP Company makes no warranties, expressed or implied, concerning the suitability or fitness of any of its products for any particular purpose. It is the responsibility of the customer to determine that the product is safe, lawful and technically suitable for the intended use. The disclosure of information herein is not a license to operate under, or a recommendation to infringe on any patents.

Copyright 2024 RTP Company, 4/2024

Please contact your local RTP Company Sales Engineer by calling 1-507-454-6900 or 1-800-433-4787 (U.S. only), by email at rtp@rtpcompany.com, or visit www.rtpcompany.com



RTP Company Corporate Headquarters • 580 East Front Street • Winona, Minnesota 55987 USA website: www.rtpcompany.com • email: rtp@rtpcompany.com

TELEPHONE:

U.S.A.
+1 507-454-6900

SOUTH AMERICA
+55 11 4193-8772

MEXICO
+52 81 8134-0403

EUROPE
+33 380-253-000

SINGAPORE
+65 6863-6580

CHINA
+86 512-6283-8383

WIMAN CORPORATION
+1 320-259-2554



www.rtpcompany.com