



# KEY AUTOMOTIVE PRODUCTS BY SEGMENT

RTP COMPANY AUTOMOTIVE PORTFOLIO

## FEATURES

- Thermoplastic compounds available for automotive interior, exterior, electronics, and under-hood components
- Materials can provide strength, color, impact resistance, UV stability, light control and more

## BENEFITS

- Reduced part weight for better fuel economy
- Eliminate secondary operations and associated costs
- Extend service life of electronic components
- OEM-proven solutions



The automotive industry is constantly evolving, developing new ways to enhance the driver and passenger experience. At RTP Company, we are constantly innovating by formulating materials that provide strength, performance, lighter weight, aesthetics, and cost reduction. For more than 35 years, engineers have been providing the automotive industry with precise solutions for even the most challenging application requirements. When it comes to automotive parts and components, RTP Company can provide high volume engineered or specialty compound solutions.

## INTERIOR

From door modules, right down to the smallest gear, we provide a number of thermoplastic compounds that work well in automotive interiors, providing strength, color, light control, and more.



Product	Description	Key Characteristics	Benefits	Typical Applications
<b>Molded-in Color Very Long Fiber PP</b>	• Fully impregnated LGF PP	• Creep resistance • Low VOC's • High flow	• Reduce weight • Reduce cost • Metal to plastic	• IPs • Door modules • Seating • Sunroofs
<b>Short Glass Fiber PP</b>	• Glass Reinforced PP	• Stiffness • Strength • Colorable	• Cost/Performance	• Bins • Glove boxes • Brackets
<b>Light Diffusion Compounds</b>	• LED light diffusion	• Light control	• Uniform light distribution	• Back-lit components
<b>Wear Compounds</b>	• PTFE • Graphite • Moly • Silicone	• Reduce wear and friction	• Eliminate grease and squeaks • Extend product life	• Latches • Gears • Bushings
<b>Color Compounds</b>	• Precolor • Masterbatch • Cube Blend	• 100% color matched • UV stable	• Interior trim color harmony	• Interior hard trim

## EXTERIOR

Making sure your vehicle is properly equipped with the right components is important; our thermoplastic compounds are a great choice for reducing weight and improving durability.



Product	Description	Key Characteristics	Benefits	Typical Applications
<b>Molded-in Color Very Long Fiber PP</b>	• Fully impregnated LGF PP	• Impact strength • 5000 kJ/m2 SAE J2527	• Improved weathering and lower weight vs. glass reinforced Nylon	• Roof racks • Mirror housings • FASCIA brackets
<b>eXtra-Performance PP</b>	• High performance short glass PP • Molded-in color	• Impact strength • 5000 kJ/m2 SAE J2527	• Cost/performance	• Roof racks • Mirror housings • Door handles



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## ELECTRONICS

From high voltage connectors, lighting, camera housings to everything electrical, RTP Company has you covered with the precise thermoplastic compounds to fit your requirements.

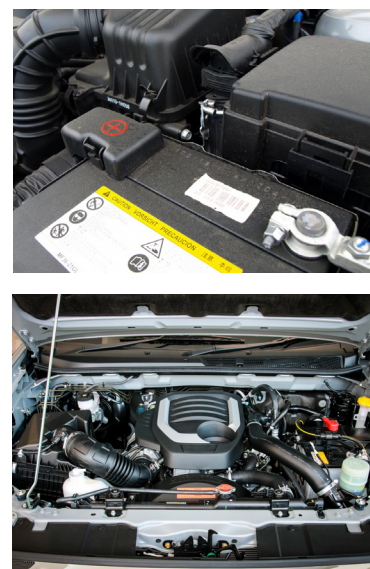
Product	Description	Key Characteristics	Benefits	Typical Applications
<b>Flame Retardant Compounds</b>	<ul style="list-style-type: none"> <li>• PP</li> <li>• PA</li> <li>• PBT</li> </ul>	<ul style="list-style-type: none"> <li>• HB, V1, V2, V0, 5VB and 5VA</li> </ul>	<ul style="list-style-type: none"> <li>• Risk mitigation</li> </ul>	<ul style="list-style-type: none"> <li>• Lithium ion batteries</li> <li>• High voltage connectors</li> <li>• Engine covers</li> </ul>
<b>Electrically Conductive Compounds</b>	<ul style="list-style-type: none"> <li>• EMI/RFI Shielding</li> </ul>	<ul style="list-style-type: none"> <li>• Shielding effectiveness up to 90+db</li> </ul>	<ul style="list-style-type: none"> <li>• Lightweight</li> <li>• Durable</li> <li>• Reduced complexity</li> </ul>	<ul style="list-style-type: none"> <li>• Sensor housings</li> <li>• Camera housings</li> <li>• Control modules</li> </ul>
<b>Glass Filled PBT</b>	<ul style="list-style-type: none"> <li>• Hydrolysis resistant PBT</li> </ul>	<ul style="list-style-type: none"> <li>• Dielectric strength</li> <li>• Hydrolysis resistant</li> </ul>	<ul style="list-style-type: none"> <li>• Dimensional stability</li> </ul>	<ul style="list-style-type: none"> <li>• Lighting</li> <li>• Motors</li> </ul>
<b>Thermally Conductive Compounds</b>	<ul style="list-style-type: none"> <li>• Heat dissipating compounds</li> </ul>	<ul style="list-style-type: none"> <li>• Up to 18 W/m-K</li> </ul>	<ul style="list-style-type: none"> <li>• Lightweight</li> <li>• Extended service life</li> </ul>	<ul style="list-style-type: none"> <li>• Batteries</li> <li>• Connectors</li> </ul>



## UNDERHOOD

Our portfolio of thermoplastic solutions includes a variety of materials that are ideal for critical underhood components, providing strength, impact resistance, durability and more.

Product	Description	Key Characteristics	Benefits	Typical Applications
<b>Very Long Fiber PP</b>	<ul style="list-style-type: none"> <li>• Fully impregnated LGF PP</li> </ul>	<ul style="list-style-type: none"> <li>• Impact resistance</li> <li>• Strength</li> <li>• Colorable</li> </ul>	<ul style="list-style-type: none"> <li>• Reduce weight and cost vs. glass reinforced Nylon</li> <li>• Metal to plastic</li> </ul>	<ul style="list-style-type: none"> <li>• Front end modules</li> <li>• Brackets</li> <li>• Housings</li> </ul>
<b>Short Glass Fiber PP</b>	<ul style="list-style-type: none"> <li>• Glass reinforced PP</li> </ul>	<ul style="list-style-type: none"> <li>• Stiffness</li> <li>• Strength</li> <li>• Colorable</li> </ul>	<ul style="list-style-type: none"> <li>• Cost/Performance</li> </ul>	<ul style="list-style-type: none"> <li>• Glove boxes</li> <li>• Consoles</li> <li>• Brackets</li> <li>• Housings</li> </ul>
<b>Light Diffusion Compounds</b>	<ul style="list-style-type: none"> <li>• LED light diffusion</li> </ul>	<ul style="list-style-type: none"> <li>• Light control</li> </ul>	<ul style="list-style-type: none"> <li>• Interior color harmony</li> </ul>	<ul style="list-style-type: none"> <li>• Back-lit components</li> </ul>
<b>Wear Compounds</b>	<ul style="list-style-type: none"> <li>• Internally lubricated compounds</li> <li>• PTFE, graphite, moly, silicone</li> </ul>	<ul style="list-style-type: none"> <li>• Reduce wear and friction</li> </ul>	<ul style="list-style-type: none"> <li>• Eliminate grease and squeaks</li> <li>• Extend product life</li> </ul>	<ul style="list-style-type: none"> <li>• Latches</li> <li>• Gears</li> <li>• Bushings</li> <li>• Seals</li> </ul>
<b>Nylabond™</b>	Nylon Bondable TPV	<ul style="list-style-type: none"> <li>• 55A to 85A Durometer</li> </ul>	<ul style="list-style-type: none"> <li>• Sealing</li> <li>• Ergonomics</li> <li>• Flexibility</li> </ul>	<ul style="list-style-type: none"> <li>• Seals</li> <li>• Air deflector</li> <li>• Miscellaneous</li> </ul>



Whether it's the interior, exterior, electronics or the underhood components in the vehicle, RTP Company has the best thermoplastic material solutions for you. For more information on improving vehicle materials, reducing component weight, and eliminating costly secondary operations, please call 1-800-433-4787 or visit [www.rtpcompany.com](http://www.rtpcompany.com).



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