

Experts in Performance Polymer Compounding and Process Technology.



A photograph of three people in a meeting. A man on the left in a dark blue shirt is gesturing with his hands while speaking. A woman in the center wears a bright yellow sweater and listens attentively. A man on the right, seen from the side, wears a dark blue sweater. They are seated at a white table in a modern office setting with a red wall and white cabinetry in the background.

Proven Performance Solutions Tailored to Your Success

A leader in plastic compounded solutions and the leading brand in PVC compounds, GEON Performance Solutions offers a broad range of formulated polypropylene and other thermoplastic polyolefin products. As experts in the formulation, development and manufacture of performance polymer solutions, we work side-by-side with our customers to deliver solutions to meet their unique challenges and the needs of their customers.

By building on our more than 70 years of expertise in materials development and staying on top of industry-wide changes and best practices, we deliver market-specific solutions that exceed the expectations of end consumers.



High-Strength Materials

Deliver the performance your products demand with strong and durable materials that stand up to weather, time and use.



Transformation in Telecom Technologies

Discover solutions to improve processing speed, UV resistance and toughness.



Metal Replacement with Plastics

Achieve more design and assembly flexibility by using more resilient and versatile polymer materials.



Energy Efficiency

Capture weight reduction savings and maximize potential with technical, manufacturing and design support.



Lightweight

Answer the call for lighter-weight materials for increased safety, better ergonomics, reduced cost and improved handling.



Sustainability

Meet customer demand for environmentally friendly products without sacrificing performance.



Our Strengths Are Your Competitive Advantage

Your ability to meet customer needs goes far beyond material selection. To truly stand out, you need strategic thinking, innovation and technical muscle, a reliable and quality supply, and processing and manufacturing optimization. At GEON Performance Solutions, we strive to be essential to you and your business.

Breadth of product offerings: We offer a broad range of formulated PVC, polypropylene and other thermoplastic polyolefin products. Our customers can choose from off-the-shelf or specialty products designed to meet their needs and the needs of their customers.

Cutting-edge technologies: We're always working on new technologies that drive the strategic markets we serve and look forward to helping customers meet their goals for improved performance, including color matching, weight reduction, product differentiation and design flexibility.

Strategically located facilities for flexible service delivery: With facilities located throughout North America and in China, we're able to accommodate sudden changes in demand or new runs.

Consistent, quality materials: Our customer-focused quality management system and processes ensure customers receive quality materials consistently and on time. All materials go through standard quality testing, and all GEON facilities are ISO- or IATF-certified.

Outcome-driven sustainability: We are committed to partnering with you to meet your sustainability goals, including increasing recycled content and reducing your environmental footprint. We offer a portfolio of post-consumer and post-industrial recycled products and products containing recycled content, and we collaborate with customers to design and manufacture products that are more sustainable for society.

Our Markets

To provide an effective solution, a partner must first understand industry needs, trends and regulations. Our deep market knowledge helps deliver significant competitive advantage to your business and customers.



Wire & Cable – Broad portfolio of UL- and CSA-approved PVC products. Applications include fiber optic and PoE cables, factory automation cables, power and control cables, and building wire.



Building & Construction – Compounds that meet AAMA, NSF and UL standards. GEON's production capabilities help you extend your offerings to customers.



Automotive – Materials for interior, exterior and underhood meet product specifications for global regulatory needs.



Transportation – Materials that meet the standard for your transportation applications: heavy truck, aerospace, marine and rail, agriculture and construction, and automotive.



Appliances – Customized solutions that let you design with imagination and for sustainability. Our materials can address a wide range of applications, from interface enclosures to consoles and electronic housing to appliance parts.



Healthcare – Broad portfolio of medical polymer solutions allowing you to design and produce a range of healthcare equipment – from labware to catheters, to CT scanners.



Electrical & Electronics – Flame performance and UL-rated materials that are optimized to manage heat or EMI/RFI. Applications include electrical power management, consumer electronics, electronic connectors and interconnects, and LEDs and lighting.

Our Products

Through collaboration with our customers, we have developed unique solutions that foster product differentiation and enable speed to market.

Polyvinyl Chloride (PVC) Compounds

For almost 100 years, GEON® has been the trusted brand for vinyl compound solutions. Leverage our formulary library of over 1,990 commercially active PVC compounds to turn your vision into commercial success.

- Rigid PVC
- Flexible PVC
- PVC Alloy

Chlorinated Polyvinyl Chloride (CPVC)

Dry blends or pellets provide performance, quality and value in a powder solution for profile and sheet manufacturers.

- Higher use temperature than PVC
- Better flame and chemical resistance than PVC
- Highest heat deflection temperature (HDT)

Composite Materials

Rigid PVC composites have up to 75% lower specific gravity than steel and up to 25% lower specific gravity than aluminum, helping achieve an exceptional strength-to-weight ratio without compromising performance.

- Stronger, lighter-weight components
- Corrosion and fatigue resistance, even under temperature extremes
- Design freedom and part consolidation for lower assembly costs

Polyolefins

Our polypropylene (PP) and thermoplastic (TPO) products are designed to meet stringent applications. Our skilled technical teams bridge the gap between material sciences and application engineering to include tool design and efficient processing techniques.

- Reinforcement fillers of Talc, Glass, Calcium Carb, Mica, etc.
- Customized products tailored to your needs
- Lightweighting



Our Brands

With a range of formulated PVC, PP and TPOs, our materials can be found in products all over the world. Explore each of the brands and learn why.



GEON Flex PVC

Flexible PVC compounds with premium durability

Available in non-phthalate, CPSIA-compliant and Proposition 65 compliant formulations, Flexible PVC compounds have a hardness range from 55A/15 to 40D/15, specific gravity from 1.10 g/cc to 1.50 g/cc and a service temperature range from -50°C to 90°C.

GEON Rigid PVC Compounds

Rigid PVC for interior, exterior and transparent applications

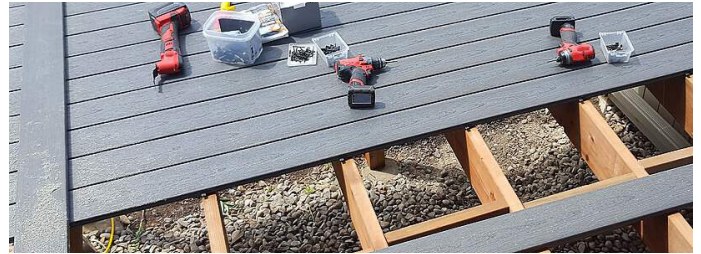
Can be extruded or injection-molded and fit many market applications. Select GEON Rigid PVC for excellent chemical resistance, low susceptibility to stress cracking and strength. In addition, compounds can be designed for weatherability, transparency, higher-heat resistance and increased stiffness.

GEON Plus – Chlorinated Polyvinyl Chloride (CPVC) and PVC Alloys

CPVC and PVC alloys that meet a variety of performance and regulatory requirements

GEON Plus CPVC combines key vinyl properties, such as inherent flame and chemical resistance, with elevated temperature performance and low smoke generation, creating an effective engineering solution for many industrial applications.

Specially formulated for capstock, profiles and sheet used for outdoor building products, GEON Plus PVC Alloys provide superior weathering performance with excellent color hold, even in the darkest shades. Higher-heat rigid vinyl alloys exhibit engineering-grade performance in a broad array of molding and extrusion applications.



FIBERLOC™

GEON® Fiberloc™ Optimal and Extreme™ Composites

Technology designed for both injection molding and extrusion applications

Have proprietary low-wear technology that provides up to 50 percent reduction in wear versus traditional glass composites.

GEON Regulated

PVC compounds for broad regulatory approvals

Designed to meet broad agency approvals, are formulated with increased chemical resistance, easy processing, high-quality aesthetics and excellent durability.

GEON Lite

Proprietary technology that delivers consistent cell structure and improved stability

Delivers consistent cell structure and improved stability, eliminating material striation and risk of separation during storage or shipping.



RESILIENCE®

RESILIENCE® Filled or Reinforced Polyolefin Systems

Proven polyolefins for injection molding, blow molding and extrusion

Incorporate the latest in polymer modification, additive and process chemistry, and offer ease of processing in most standard thermoplastic equipment. Choose from a comprehensive line of UL-listed high-performance compounds.

RESILIENCE® TPO

Thermoplastic grades that offer ease of processing in most TPO equipment

Achieve an exceptional balance of stiffness and impact performance, even in cold temperatures.

RESILIENCE® HST

High-strength grades that provide excellent stiffness

Our HST line of filled PP materials use proprietary chemical coupling technology to provide exceptional levels of stiffness and heat deflection performance and provide a lightweight solution in structural applications.

RESILIENCE® XST

Increased toughness and durability

TPO grades with exceptional stiffness and impact balance, including superior cold temperature impact resistance and ductility.

RESILIENCE® LO

Reduced odor with improved performance and aesthetics

Low-odor, talc-filled grade that reduces volatile organic compound (VOC) emissions with inherent heat stabilization and customizable physical property balance.

RESILIENCE® R Filled or Reinforced Polypropylene

Best-in-class recycled material utilization in filled and reinforced PP systems

From homopolymer and copolymer to impact-modified, our UL94 HB-approved polypropylene, formulated with minimum standards of recycled content, can help meet your sustainability goals.

Learn more about our products at [GEON.COM](https://www.geon.com).

Creative Services, Expert Innovation

GEON® Performance Solutions has more than four decades of custom manufacturing experience and helps customers extend their manufacturing capabilities, enabling quick and cost-effective production of new formulations and capacity expansion. Our manufacturing services can help businesses avoid costs of technology upgrades and capacity expansion, optimize direct and indirect labor, eliminate or reduce maintenance, and improve efficiency.

Manufacturing Services

- Short-term engagements
- Turnkey manufacturing
- Batch and continuous mixing, reactive extrusion, pilot-scale mixing, blending, drying and packaging
- End-to-end manufacturing

Contract Solutions

- Polymer expertise with olefins, styrenics and engineering resins
- Manufacturing technologies that can handle your complex custom formulas
- Pelletizing treatments
- Material handling, storage, packaging and delivery management capabilities

Our Commitment to Sustainability

Sustainability is central to our purpose as a company and is embedded across our operations. Together with our employees, customers, suppliers, industry partners and communities, GEON is committed to a collaborative approach to solving global challenges and improving lives.

Our sustainability strategy is built around three focus areas that are designed to integrate sustainability into our business and decision-making processes.



Shape thriving communities

We seek to shape communities that thrive both now and into the future, within our own employee population and within the towns and communities in which we operate.



Optimize operational excellence

We are committed to improving the efficiency and sustainability of our operations, while continuing to grow our business and improve safety. We are doing this by adopting a mindset of problem-solving, teamwork and transparency – in which we regularly measure and report our progress.



Collaborate and innovate across our value chain

By working across the industry value chain and better understanding the impacts of our products and services through their life cycles, we will help close key resource loops, advance the innovation of sustainable products with our customers and accelerate our top-line-growth.



For more information,
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