

Avient Corporation

Who We Are

Avient Corporation (NYSE:AVNT) is a global manufacturer of specialized and sustainable polymer materials. We're focused on solving the world's most complex material science problems by creating innovative products that enhance application performance and protect the environment. To accomplish this, we combine talented, tenacious people with broad and deep manufacturing capabilities and exceptional service. Our customers include brand owners, OEMs, processors and assemblers in the automotive, building and construction, consumer goods, electronic and electrical, healthcare, packaging, textiles, transportation, and wire and cable industries.

Our Story

Avient was formed in 2000 as PolyOne Corporation from the consolidation of The Geon Company and M.A. Hanna Company. In 1948, B.F. Goodrich created a vinyl plastic division that was subsequently spun off through a public offering in 1993, creating The Geon Company. Hanna was formed in 1885 as a privately held company and became publicly held in 1927. On July 1, 2020, the company completed what is collectively referred to as the Clariant Color Acquisition. On June 30, 2020, the company changed its name to Avient Corporation and its ticker symbol from "POL" to "AVNT."

Our Mission

To enable our customers' innovation and sustainability goals through world-class products and services and excellence in four important cornerstones:

1. People
2. Products
3. Planet
4. Performance

Our Commitment to Sustainability

At Avient, we truly believe that the role material science plays in global sustainability is more important than ever. That's why we are creating the next generation of [sustainable solutions](#).

To help customers overcome their sustainability challenges, we enable:

- Greater use of recycled content
- Formulation with bio-polymers
- Lightweighting
- Reduction of volatile organic compounds (VOCs)
- Reduction of energy usage
- Protection of human health and safety
- Eco-consciousness
- Sustainable infrastructure

For example, our high-performance materials for barrier technologies help preserve the quality and shelf life of perishable food and drugs, while our lightweighting solutions can vastly improve fuel efficiency during transport.

Avient also participates in numerous global sustainability initiatives. We are a founding member of the Alliance to End Plastic Waste and an American Chemistry Council (ACC) Responsible Care® company, and we participate in the United Nations Global Compact and align with U.N. Sustainable Development Goals (SDGs).

In 2020 we established our corporate 2030 sustainability goals, which include:

- Enabling 100% of our products for packaging applications to be recyclable or reusable
- Obtaining directly or contracting for 60% of electricity demand from renewable sources
- Reducing waste headed to landfills by 35% from our 2019 baseline

To find out more about our continued commitment to improving the lives of others through our increased sustainability efforts, download our full [2020 Sustainability Report](#).

Our [Material Solutions](#)

Avient enhances end-product performance and aesthetics with colorants, additives, modifiers, reinforcers and specialty engineered materials. Our advanced portfolio consists of color, additives and inks; engineered polymers; and specialty solutions.

Color, Additives and Inks: To improve the aesthetics, quality, color stability and sustainability of recycled polymers, Avient offers a wide range of specialized solutions, including solid and liquid colorants and masterbatches, performance additives, plastisols and inks. We also promote the use of bio-based polymers with color concentrates that are specially designed to perform well with bioplastics. Further, to support circularity, we developed a black colorant that permits black and dark polymers to be detected by near infrared (NIR) automatic sorting equipment, allowing for correct recycling.

Highlighted sustainable solutions include:

- [**ColorMatrix™ Optica™ Toners & Colors**](#) for recycled polyethylene terephthalate (rPET) correct and reduce yellowing during the recycling process for improved color and reduced haze in rPET.
- [**ColorMatrix™ Amosorb 4020R**](#) Delivers consistent and effective oxygen scavenging performance on PET bottles with up to 100% of rPET and provides compatibility with many different rPET grades. It also helps reduce the intrinsic yellowness and haze inherent in rPET usage.
- [**ColorMatrix™ rePrize™**](#) IV chain extender helps to rebuild intrinsic viscosity of rPET.
- [**ColorMatrix™ AAzure™**](#) is a patented liquid formulation additive with acetaldehyde control technology that not only helps to minimize the risk of off-taste in rPET bottle contents, but also has a light blue tint to offset yellowing.
- When added to preforms and bottles, [**ColorMatrix™ SmartHeat™ RHC**](#) liquid dispersion process aid helps to increase rPET's thermal stability and improve bottle quality and mechanical strength.
- [**ColorMatrix™ Joule™**](#) infrared-absorbing additives can reduce energy usage during blowing of container preforms.
- To facilitate the use of 100% PCR polyolefins in packaging, Avient supplies [**Rejoin™ PCR Masterbatch for Polyolefins**](#). It combines colorants and functional additives in one solution that uses polyolefin PCR content as a carrier resin.
- [**Hydrocerol™ Chemical Foaming and Nucleating Agents**](#) can reduce weight without compromising stiffness or mechanical properties in consumer goods and automotive components. In packaging, they save material and improve productivity, while preserving aesthetic appeal.
- New for 2022, [**Cesa™ Nox A4R Additives for Enhanced Recycling**](#) is an antioxidant that helps maintain the quality of recycled polyolefins by protecting against degradation that can cause defects such as black spots and gels.
- In the area of bio-derived content, Avient offers [**OnColor™ Bio Colorants**](#) that are based on sustainable raw materials. These color concentrates perform well with bioplastics such as PLA, PHA, PHBV, PBS and PBAT, and do not compromise the organic recyclability of these resins.

Engineered Polymer Solutions: Avient's specialty engineered materials include advanced composites, thermoplastics, medical polymers, thermoplastic elastomers (TPEs), long fiber technologies and urethanes. To help customers optimize these materials, we deliver formulation expertise to meet specific material performance requirements; support services spanning the application development cycle from concept to commercialization; and reliability of supply, including local support. Our dedication to sustainability has resulted in a growing array of engineering materials that incorporate recycled content or bio-based content and help reduce environmental impacts, such as polyvinyl butyral (PVB) recycled from automotive windshields by Shark Solutions.

Following are highlights:

- [reSound™ REC Recycled Content Thermoplastic Elastomers](#) are formulated with up to 83% post-industrial and post-consumer recycled content including PVB in combination with other recycled raw materials.
- [reSound™ BIO Bio-based Thermoplastic Elastomers](#) are based on biopolymers derived from plant sources. The reSound BIO portfolio consists of various grades that utilize 35% to 75% bio-renewable content and overmold onto PP, ABS and PE.
- [Nymax™ BIO Bio-based Polyamide Solutions](#) are highly engineered, low water absorption polyamides (PA) that can be both injection molded and extruded, and provide a more sustainable alternative to PA66 glass fiber-filled materials. Plus, these solutions have excellent surface appearance and colorability, and lower warpage.
- [Nymax™ REC Recycled Nylon Formulations](#) feature standard and custom-formulated nylon 66 and nylon 6 grades that contain post-industrial recycled content. Standard grades contain 20% to 100% recycled content.
- [Complēt™ REC Long Fiber-Reinforced Composites](#) for injection molding that incorporate from 50% to 100% post-consumer recycled nylon 6 reclaimed from end-of-life fishing nets.
- [Edgetek™ PKE Polyketone Formulations](#) are specialty engineered polyketone (PK) thermoplastics that feature excellent chemical and wear resistance, low moisture uptake, dimensional stability and high impact, and offer a cost-competitive and more sustainable alternative to nylons as they have a comparatively lower carbon footprint.

Specialty Offerings: Custom solutions comprise the majority of our business. We work with any base resin to tailor thermoplastic and elastomer formulations by combining advanced polymers, reinforcements, colorants, additives and modifiers to achieve a comprehensive set of performance attributes. Avient is also focused on incorporating sustainable materials into our formulations to support our customers' sustainability goals.

Our New Advanced Tools and Resources for 2022

- **[Avient Post-Consumer Recycled \(PCR\) Content Color Prediction Service](#)**: This service uses proprietary software to provide a digital assessment of color possibilities in a given PCR material, including guidance on the maximum amount of PCR content possible and the concentration required to achieve the desired color. It can determine color options for new applications, and how much PCR content can be used in future production of an existing application without affecting its signature color.
- **[CycleWorks™](#)**: Located in Pogliano, Italy, CycleWorks is a dedicated innovation center for recycling, helping customers solve the challenge of plastics recycling and achieving the goal of a circular economy. The laboratory conducts cutting-edge chemistry testing and evaluations, and the demonstration plant mimics real-world recycling in a research environment.
- **[ColorMatrix™ FlexCart™ Liquid Metering Systems](#)**: These volumetric metering systems optimize the benefits of liquid colorant and additive technologies with dosing accuracy and controllability for all injection molding and extrusion applications. The latest system, ColorMatrix™ FlexOne™ is scheduled for release in October 2022.

Our Specialty [Services](#)

- **[Innovation Centers](#)**: Located around the globe, Avient Innovation Centers help customers identify appropriate materials or create tailored formulations. Capabilities include color and design, manufacturing and production, and prototyping and part analysis.
- **[ColorWorks™ and Other Color Services](#)**: Avient helps customers differentiate their applications, from concept to commercialization, using Avient colorants. Under our Color Services umbrella, we offer [Color Collaborative Design: ColorWorks™](#), a highly specialized color service combining color technology and expertise to support designers, marketing specialists and brand managers.
- **[Avient Design](#)**: Our team of industrial designers and project engineers also understand materials and molding, and apply design for manufacturability principles. They follow a proprietary process of advanced design and detailed analysis.
- **[Avient Distribution](#)**: This service features a comprehensive portfolio of polymers from the world's top suppliers, which is accessible through our new online platform, [Avient Now](#). It aligns material, technical and manufacturing expertise to streamline product development and optimize the supply chain and logistics.

Fast Facts

Global Headquarters

Avon Lake, Ohio, USA

Regional Headquarters

Pommerloch, Luxembourg

São Paulo, Brazil

Shanghai, China

115 facilities in 35 locations worldwide

8,700 employees

25,000 customers

\$4.8 billion in sales

70% of sales are customized materials

Awards

2021 Singapore Business Review Technology Excellence Award

Great Place to Work Certified (2020-2021)

Chemical Week – Best Sustainable Feedstock Initiative

Barron's 100 Most Sustainable Companies

[Recognized as one of America's Most Responsible Companies by Newsweek](#)

Contact Information

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