

Product Focus

Color and additive masterbatch solutions

Performance, functionality
and design freedom



Omya Performance
Polymer Distribution



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Performance, functionality and design freedom

Advanced masterbatch and additive solutions for demanding manufacturing applications

Avient's portfolio of color and additive masterbatch technologies helps manufacturers **achieve consistent aesthetics, introduce targeted functionality, improve processing efficiency, and optimize material use across demanding applications.**

From functional additives and precise coloration to controlled foaming, the portfolio provides practical, application-focused technologies for modifying thermoplastics. Cesa™ supports targeted additive functionality; Remafin™ and Renol™ deliver consistent color and effective pigment dispersion; and Hydrocerol™ enables controlled foaming to reduce material consumption and component weight while supporting manufacturing efficiency.

Omya Performance Polymer Distribution provides access to this focused portfolio across selected markets, combining local commercial and technical expertise with application-focused product selection and dependable regional supply. Working closely with Avient's technical specialists, we help customers identify the appropriate color, additive, or foaming technology for their polymer, process, performance, aesthetic, and regulatory requirements.

Portfolio overview

Avient solution	Performance focus
Cesa™	Functional additives supporting UV stability, antioxidant protection, flame retardancy, antistatic performance, processing enhancement, and other specialist requirements
Remafin™	High-quality color solutions providing consistent coloration, pigment dispersion, and processing performance
Renol™	Color solutions for polyester and polyamide materials, including PET, PBT, and PA6 carrier systems
Hydrocerol™	Controlled foaming supporting lightweighting, material reduction, processing efficiency, and dimensional performance

Specialty masterbatch and additive technologies designed to enhance color, functionality, processing efficiency, material utilization, and finished-product performance.

Avient's color, additive, and processing technologies enable manufacturers to tailor both the appearance and functional performance of thermoplastic materials. From precise coloration and targeted additive functionality to controlled foaming for lightweighting and processing efficiency, the portfolio provides versatile solutions for a broad range of polymer systems and applications.

Cesa™ additive masterbatches introduce targeted functionality, while Remafin™ and Renol™ color masterbatches provide consistent coloration across selected polymer systems. Hydrocerol™ chemical foaming agents complement these technologies by enabling controlled foaming to reduce material use and component weight while supporting improved processing performance.

Cesa™ additive masterbatch

Cesa™ additive masterbatches from Avient enable manufacturers to **introduce targeted functionality into thermoplastic materials through efficient and consistent additive incorporation**. The broad portfolio includes technologies designed to support UV stabilization, antioxidant protection, flame retardancy, antistatic performance, processing enhancement, slip and friction control, moisture management, and other application-specific requirements.

Available for a wide range of polymer systems and processing environments, Cesa™ provides a flexible approach to modifying material performance without the complexity of handling individual additives. This enables manufacturers to tailor polymer properties to specific processing, environmental, and end-use requirements while supporting consistent production and finished-product quality.

Remafin™ color masterbatch

Remafin™ color masterbatches from Avient **provide high-quality coloration with excellent pigment dispersion, color consistency, and processing performance**. Available in black, white, single-

pigment, and custom color formulations, Remafin™ enables manufacturers to achieve consistent aesthetics while meeting specific product and manufacturing requirements.

The portfolio includes solutions developed for polyolefins, providing flexible coloration options for applications where accurate color matching, efficient processing, and dependable finished-product appearance are important.

Renol™ color masterbatch

Renol™ color masterbatches from Avient **provide high-quality coloration and effective pigment dispersion for polyester and polyamide materials**. Available in black, white, single-pigment, and custom color formulations, the portfolio supports consistent color performance together with reliable processing and finished-product quality.

With carrier systems including PET, PBT, and PA6, Renol™ enables manufacturers to incorporate color efficiently into compatible polymer systems while supporting demanding aesthetic and material-performance requirements.

Hydrocerol™ chemical foaming agents

Hydrocerol™ chemical foaming agents from Avient **enable controlled foaming within thermoplastic materials to reduce component weight and material consumption while improving manufacturing efficiency**. During processing, the technology generates a controlled cellular structure within the polymer, enabling manufacturers to optimize material use without necessarily changing overall component geometry.

Depending on the formulation and application, Hydrocerol™ can also help reduce cycle times, minimize warpage and sink marks, improve melt flow, and enhance dimensional stability. These combined benefits make the technology particularly valuable for automotive, packaging, consumer, building and construction, and industrial applications where lightweighting, material efficiency, and manufacturing productivity are important.

Performance at a glance

Performance area	Avient technology	Capability
Functional modification	Cesa™	Targeted additive functionality including UV, antioxidant, flame-retardant, antistatic, processing, and other specialist performance
Color consistency	Remafin™	Consistent coloration and pigment dispersion with black, white, single-pigment, and custom color solutions
Engineering polymer coloration	Renol™	Color solutions for polyester and polyamide systems, including PET, PBT, and PA6 carriers
Lightweighting	Hydrocerol™	Controlled foaming to reduce material consumption and component weight
Processing efficiency	Cesa™, Hydrocerol™	Technologies supporting improved polymer processing and manufacturing productivity
Surface and aesthetic performance	Cesa™, Remafin™, Renol™	Functional and color technologies supporting appearance and application-specific surface requirements
Dimensional performance	Hydrocerol™	Can help minimize warpage and sink marks and improve dimensional stability
Application customization	Cesa™, Remafin™, Renol™	Functional and color solutions can be selected or customized around polymer, processing, and end-use requirements

Key benefits

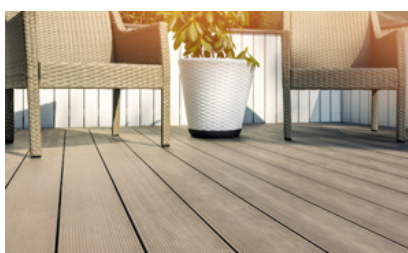
Material performance	Value for manufacturers
Targeted additive functionality	Enables specific polymer properties to be introduced according to processing and end-use requirements
Consistent coloration	Supports accurate, repeatable product appearance and effective pigment incorporation
Custom color capability	Provides greater design freedom and supports product and brand differentiation
Efficient additive incorporation	Simplifies the introduction of functional additives into thermoplastic formulations
Controlled foaming	Reduces polymer consumption and component weight in suitable applications
Improved processing performance	Selected technologies can support improved flow, reduced cycle times, and greater manufacturing efficiency
Improved dimensional quality	Hydrocerol™ can help reduce warpage and sink marks while supporting dimensional stability
Broad application flexibility	Technologies can be selected according to polymer system, manufacturing process, performance target, and end-use application

Processing capability

Avient's color, additive, and processing technologies are designed for efficient incorporation using established thermoplastic manufacturing processes. **Cesa™, Remafin™, and Renol™ technologies** enable functional additives and colorants to be introduced in a controlled, easy-to-handle form, supporting consistent dispersion and reliable processing across compatible polymer systems.

Hydrocerol™ chemical foaming agents can be incorporated into thermoplastics to generate controlled foaming during processing. Depending on the selected technology, polymer, and application, this can support injection molding and extrusion processes while reducing material consumption, component weight, cycle time, warpage, and sink marks.

Material selection, addition rate, carrier compatibility, processing conditions, and required finished-part performance should be considered when selecting the appropriate Avient technology. Omya Performance Polymer Distribution can support customers with product selection and application-specific processing guidance.



Where Avient masterbatch and additive technologies perform

Avient’s portfolio combines color masterbatches, additive masterbatches, and chemical foaming agents, enabling manufacturers to address a broad range of aesthetic, functional, processing, lightweighting, and material-efficiency requirements.

With technologies spanning precise coloration, targeted additive functionality, processing

enhancement, controlled foaming, and lightweighting, Avient supports applications across automotive and mobility, packaging, electrical and electronics, medical and healthcare, consumer goods and appliances, industrial, and building and construction markets.

Market segment	Typical applications
Automotive and mobility	Interior and exterior trim, dashboard components, under-hood parts, and other molded components requiring consistent color, UV stability, processing efficiency, targeted functionality, lightweighting, and optimized material use.
Packaging	Rigid and flexible packaging, films and sheets, caps and closures, containers, and other packaging components requiring consistent color, improved processing, functional performance, lightweighting, and more efficient material use.
Electrical and electronics	Electrical housings, electronic devices, connectors, control systems, consumer electronics, and technical components requiring consistent color, processing reliability, antistatic performance, flame-retardant functionality, or other targeted properties.
Medical and healthcare	Medical devices, diagnostic equipment, healthcare packaging, bottles, films, and molded components requiring consistent color, controlled functionality, reliable processing, and application-specific regulatory compliance.*
Consumer goods and appliances	Household appliances, sporting goods, personal care products, hand and power tools, toys, electronic accessories, and lifestyle products requiring consistent aesthetics, targeted functionality, efficient processing, and dependable finished-product quality.
Industrial	Industrial equipment, automation systems, containers, pallets, machinery components, durable goods, and technical products requiring consistent color, targeted additive performance, lightweighting, processing efficiency, and optimized material use.
Building and construction	Profiles, decking, siding and cladding, electrical installation systems, infrastructure components, and other construction products requiring color stability, weather resistance, targeted functionality, processing efficiency, and optimized material use.



Why work with Omya Performance Polymer Distribution?

Customers sourcing Avient masterbatch and additive technologies through Omya Performance Polymer Distribution benefit from:

- A portfolio of color and additive masterbatches and chemical foaming agents
- Local commercial, technical and application support
- Material selection and grade optimization aligned with performance, processing and regulatory requirements
- Processing guidance and troubleshooting support
- Reliable regional logistics and multi-country coordination, subject to product availability
- Close collaboration with Avient technical teams from concept through production

Let's develop your next application together

Whether you are optimizing an existing material selection or developing a new application, Omya Performance Polymer Distribution works closely with you to identify the right solution – supporting you from initial concept through to full-scale production.

Contact Omya Performance Polymer Distribution

To discuss your application, material requirements, or grade selection, contact your local Omya Performance Polymer Distribution representative or visit: www.omya.com



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Talk to an expert

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