

Custom Performance Colors

Product portfolio





More colors for your solutions – more service close to you

The LyondellBasell team is inspired by the power of possible. We are proud of the role we play in supporting our customers' efforts to develop products which meet today's challenges while advancing tomorrow's innovations.

For over 60 years, the LyondellBasell Performance Colors division has been providing high quality color masterbatches to a wide variety of markets.

We offer color masterbatches for a multitude of processing technologies and material specifications.

Our innovative color matching laboratories allow us to develop a variety of colors and effects, offering you a high degree of flexibility to precisely meet the specifications you need.

We operate to certified quality standards to meet demanding requirements for high-end industries.

We can provide our customers with a very broad range of color concentrates and services. Our masterbatches are either based on virgin materials or sustainable solutions, such as recycled or bio-based materials.

Our color laboratories closely cooperate with the additive, polymer and specialty powder departments in the company using certified quality assurance systems and testing methodologies.

As a global manufacturer of polyolefins, engineered polymers, polypropylene compounds, specialty powders, engineered composites, color and additive masterbatches, we join you in making your visions become reality.

Complete service solutions

Benefit from our wide service portfolio

- ! **Versatile:** a full range of standard and custom colors for your needs
- ! **Prompt:** within a few working days from your color idea to the delivery of the product
- ! **Customized:** color matched using colorants and carrier material designed for your end application
- ! **Flexible:** suitable for use in many different processing techniques such as injection molding, blow molding and extrusion
- ! **Deliveries:** from small quantities to full truck loads
- ! **Complete solution:** color developments including functional additives to meet all specifications of the finished product
- ! **For special requirements:** customized solutions in opaque or transparent colors, pearl effects, NIR detectable or thermochromic pigments, laser marking additives
- ! **Responsible:** complete documentation to demonstrate compliance with regulatory requirements (e.g. REACH or FDA)
- ! **Reliable:** continuous high level of product safety and product quality – thanks to the LyondellBasell international network
- ! **Sustainable:** intelligent product design and a full range of color concentrates which are based on recycled or renewable-based feedstocks.

Standard and customized colors



Your products in the color of your choice

As a world leader in the development and manufacture of high-quality masterbatches, we deliver your specified color concentrates promptly and reliably. You have the option of choosing a tone from a widely varied palette of standard colors or you can decide on an individually tailored color, adapted to meet the specific requirements of your application. We gladly accept the toughest challenges to match your unique color.

Prepared for you with production excellence

Thanks to our innovative equipment technology, we are able to produce almost any color for you at any of our color centers. We have the yearly capacity to develop and produce 10,000 different colors for thermoplastics a year.





Standard colors – Polybatch Masterbatch

- Produced made-to-stock
- More than 70 colors available
- High quality and available from stock for immediate dispatch from 25kg
- Cost effective solution for Polyolefin and Styrenic coloration

Customized colors – Polybatch Masterbatch

Bespoke color masterbatches in a wide range of polymers:

- Polyolefins
- Styrenics
- Technical polymers (for example: PA, PC, PET, POM)
- Thermoplastic elastomers
- PVC (rigid and plasticized)
- Linked to renewable (bio-based) feedstock
- Available with mechanically recycled polymer content

Technical solutions

Bespoke color development to meet the technical properties and regulatory requirements for the application such as:

- food contact
- UV stabilized
- non-warping
- laser marking
- near infrared detectable

Special effects for Polymers

- Opaque and transparent shades combined with effects like metallic, glitter, pearlescent, phosphorescent or thermochromic

Functional batches - Color and Additives as 'One-Pack Solution'

- Cost effective solutions
- Multi-functional masterbatches that combine pigments or dyes with additive properties in single product



Markets, products, applications

Our portfolio offers solutions for a multitude of production processes, such as:

- Blown and cast film extrusion
- Orientated film
- Sheet, tube and profile extrusion
- Blow molding
- Injection molding
- Extrusion coating
- Pipe extrusion
- Compounding

Colors for a broad range of industries, including:

- Packaging
- Agriculture
- Building & Construction
- Electrics & Electronics
- Transportation
- Sports & Leisure
- Healthcare
- Toys

More than color

In addition to custom color masterbatches we offer you a broad range of white, black and additive masterbatches.

Our additive masterbatches allow you to individually adjust the characteristics and performance of your products for a wide range of applications:

- Improve processing efficiency
- Enhance appearance and performance of packaging
- Extend product service life for demanding outdoor applications



A global network – close to you

By choosing LyondellBasell, you benefit from short transportation distances and quick deliveries. Currently, we are operating 20 service-orientated masterbatch centers worldwide. Each of them makes an important contribution to our dedication to be a pioneering solution provider.



● **Masterbatch Sites**

Masterbatch Advanced Solutions enable circularity



Design for Circularity

Supporting plastic sorting



CirculenRecover

Made from plastic waste through a mechanical recycling process



CirculenRevive

Made using an advanced (molecular) recycling process to convert plastic waste into feedstock to produce new polymers, which have a wide range of uses



CirculenRenew

Made from renewable feedstocks from bio-based sources, such as used cooking oil, which have a wide range of uses



Our Masterbatch Advanced Solutions

- **Design for Circularity:** Masterbatch solutions which support intelligent product design including NIR-detectable masterbatches for optimized polymer sorting in recycling facilities.
- **CirculenRecover:** Polymers containing post- or pre- consumer mechanically recycled content, and available as carrier resin in Masterbatch and Color Concentrates. We aim to help customers reach their recycled content goals with our offering.
- **CirculenRevive:** Polymers using advanced (molecular) recycling technology, based on a mass balance approach. These products enable our customers to produce new materials for applications that must meet strict regulatory requirements such as food packaging and healthcare items.
- **CirculenRenew:** Polymers made from renewable-based feedstocks, such as used cooking oil, using a mass balance approach, and available as carrier resin in Masterbatch and Color Concentrates. These products offer the same properties as their virgin counterparts and are ideal drop-in solutions for sustainable food packaging, films, toys and cosmetics.

ABOUT US

As a leader in the global chemical industry, LyondellBasell strives every day to be the safest, best operated and most valued company in our industry. The company's products, materials and technologies are advancing sustainable solutions for food safety, access to clean water, healthcare and fuel efficiency in more than 100 international markets. LyondellBasell places high priority on diversity, equity and inclusion and is *Advancing Good* with an emphasis on our planet, the communities where we operate and our future workforce. The company takes great pride in its world-class technology and customer focus. LyondellBasell has stepped up its circularity and climate ambitions and actions to address the global challenges of plastic waste and decarbonization. For more information, please visit www.lyondellbasell.com or follow [@LyondellBasell](https://www.linkedin.com/company/lyondellbasell) on LinkedIn.

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