

# Masterbatches for toys and children's goods



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As a leader in masterbatch technology for more than 60 years, LyondellBasell is committed to creating innovative products that meet the stringent requirements for materials in toys and children's products.

Our extensive know-how in R&D, market expertise and color-matching capabilities, provided by our dedicated teams, make us a strong partner, ensuring a global reach with a local focus. And our complete product range of solutions for toys and children's goods enables us to be your true one-stop shop provider for customized solutions and innovative materials. In addition to our masterbatch offering, we can provide you with a wide choice of high performance compounds, resins and services.

## Our masterbatch advanced solutions

- **Design for Circularity:** Masterbatch solutions that support intelligent product design including NIR-detectable masterbatches for optimized polymer sorting in recycling facilities.
- **CirculenRecover:** Include Masterbatch and Color Concentrates that contain post-consumer or post-industrial recyclate as carrier resin. We aim to help our customers reach their recycled content goals with our offering.
- **CirculenRenew:** Masterbatch and Color Concentrates based on renewable resources\* offering the same properties as their virgin counterparts and ideal drop-in solutions for toys.
- **CirculenRevive:** Using advanced (molecular) recycling technology.\* These products enable our customers to produce new materials for applications that must meet strict regulatory requirements such as toys and children's products.



\*Based on a mass balance approach.



## Why LyondellBasell?

- Global production network with 20 masterbatch manufacturing sites
- Consistent quality and supply, worldwide
- Certified quality standards (i.e. ISCC Plus, ISO 9001). Dedicated global team to support regulatory requirements
- Food contact materials are manufactured under GMPs
- Customer specific innovation
- Tailor made solutions for customers
- Broad portfolio: One stop shop for masterbatches
- Circular solutions and intelligent product design to reach sustainability goals

### Product benefits:

- Support sourcing from recycled and biobased feedstocks
- Visual attractiveness
- Product protection

### Main applications:

- Toys
- Games and puzzles
- Sports and outdoor toys
- Baby buggies
- Other children's products ( i.e. cutlery, gear )

Discover our extensive product offering for toys:

Product Group	Solution / Function
<i>Polybatch Color</i>	Customized Color masterbatch, special effects ( i.e. metallic, glitter )
<i>Polywhite</i>	TiO <sub>2</sub> masterbatch
<i>Polyblak</i>	Carbon black masterbatch
<i>Polybatch Additives</i>	Additive masterbatch: torque resistance, UV additives, O <sub>2</sub> scavengers, nucleating agents, antistatic, laser marking, odor absorbers, blowing agents, other processing additives
<i>Polybatch Combination Masterbatches</i>	Combining functional additives and color masterbatches in one single product

**Above mentioned product range can be sourced from recycled or biobased material under the *Circulen* brand**



# About us

We are LyondellBasell (LYB) – a leader in the global chemical industry creating solutions for everyday sustainable living. Through advanced technology and focused investments, we are enabling a circular and low carbon economy. Across all we do, we aim to unlock value for our customers, investors and society. As one of the world's largest producers of polymers and a leader in polyolefin technologies, we develop, manufacture and market high-quality and innovative products for applications ranging from sustainable transportation and food safety to clean water and quality healthcare. For more information, please visit [www.lyb.com](http://www.lyb.com) or follow [@LyondellBasell](https://www.linkedin.com/company/lyondellbasell) on LinkedIn.

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