

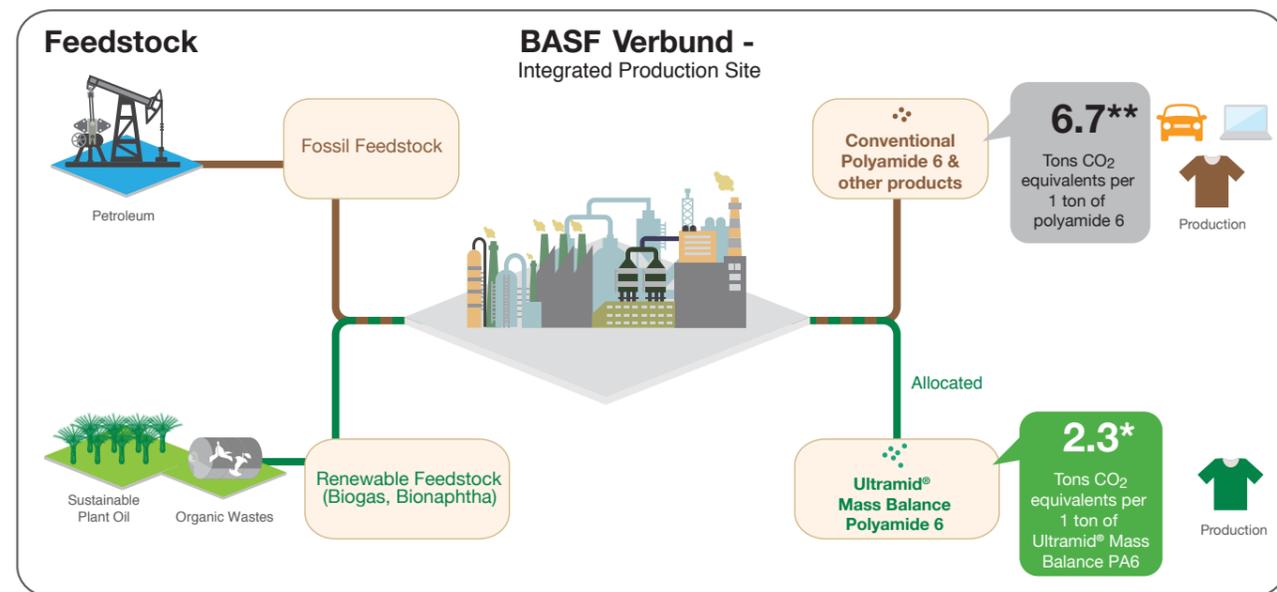
We create chemistry that makes fashion love renewable raw materials.

As our customers and consumers are becoming more aware of how clothing is made, and the impact of textile production on the environment, BASF brings a new polyamide solution based on renewable feedstock to the world of fashion. Ultramid® Mass Balance opens up new opportunities to create more sustainable solutions – all without the need to change your production setup.

Turning sustainability challenges into market opportunities

BASF has developed a groundbreaking approach to derive products from renewable raw materials: Certified renewable feedstock is used to replace fossil resources at the beginning of the production process and is then allocated to sales products in the respective quantities. An independent certification issued by TÜV SÜD confirms the use of required amount of renewable raw materials needed to produce the product. The resulting products are identical in terms of formulation and quality but are associated with lower CO₂ emissions and saving of fossil resources.

BASF Mass Balance approach



Use of renewable feedstock in very first steps of chemical production (e.g., steam cracker) → Utilization of existing Verbund Production for all production steps → Allocation of renewable share to selected products

Value added solution to meet sustainability trend in the textile industry

- Saves fossil resources** (leaf icon)
- Reduces greenhouse gas emissions** (CO₂ icon)
- Independently certified by TÜV SÜD** (CERTIFIED icon)
- No compromise on performance** (diamond icon)
- Identical product derived from biomass** (wheat stalk icon)

Sustainably produced feedstock¹

- ✓ Sustainable use of land
- ✓ Protection of natural biospheres
- ✓ Social sustainability

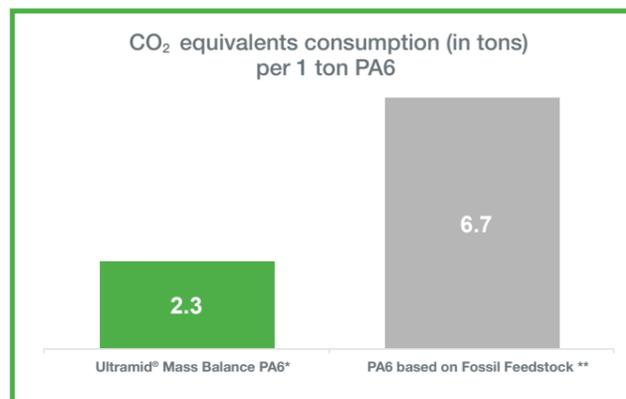
¹ In accordance with International Sustainability & Carbon Certification (ISCC) and European Union Renewable Energy Directive's (RED) requirements.

Independent Certification by TÜV SÜD

- ✓ Closed chain of custody from the renewable feedstock it uses through to the final product
- ✓ Annual review of the entire BASF value chain



www.tuev-sued.de/rr-id



* Based on LCA report for Ultramid® Mass Balance Polyamide 6
 ** According to Plastics Europe



16,000 Kilometers

Producing one ton of Ultramid® Mass Balance polyamide instead of conventional polyamide can reduce as much CO₂ as emitted from driving a passenger car for 16,000 km.

Source: U.S. Environmental Protection Agency. Based on the comparison between Ultramid® Mass Balance and fossil feedstock based polyamide.

High performance Ultramid® products for the engineering plastics, film, fiber and monofilament industry

With more than 60 years of experience, BASF is the leading supplier of high quality polyamide and polyamide intermediates for the engineering plastics, film, fiber and monofilament industry. The line of products include Ultramid® B (polyamide 6), Ultramid® C (polyamide 6/6.6 copolymer), and Ultramid® A (polyamide 6.6). The product offerings are supplemented by technical services for our customers.

BASF operates Ultramid® polymerization plants in Ludwigshafen, Germany; Antwerp, Belgium; Freeport, USA; and Shanghai, China. The production of polyamide for film, textile and carpet fiber as well as for engineering plastics applications is integrated into BASF's global Verbund structure with polyamide intermediates (i.e. adipic acid, anolone, caprolactam), chemical raw materials (i.e. ammonia, cyclohexane, sulfuric acid), energy, by-product recovery, logistics and other services.

Ultramid® Mass Balance

High performance polyamide derived from renewable raw materials

DISCLAIMER:

® = registered trademark of BASF Group

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www.basf.com/massbalance



BASF
We create chemistry