

Sustainable solutions with Ultramid® Ccycled™

High quality polyamides from plastic waste

With the new Ultramid Ccycled products, BASF helps you in the development of your sustainable product offerings

Chemical recycling primarily involves the use of plastic waste that is hard to recycle and therefore either energetically recovered or landfilled, such as post-consumer plastics that have been sorted out in the recycling process.

In a thermochemical process, basic chemicals are obtained from these plastics. Which are then fed into the BASF Verbund as raw materials. Using a mass balance approach, these chemicals can be attributed to specific products manufactured in the Verbund, such as our Ultramid Ccycled products. Fossil raw materials are thus replaced and saved

Consumers use and dispose plastic products (e.g. packaging, tires)



Waste disposal companies collect and sort the waste and supply it to BASF's technology partners

Our partners convert the plastic waste through a thermochemical process into pyrolysis oil

The pyrolysis oil is purified and used as a raw material at the start of the BASF Verbund production

Our customers produce their own products

BASF can allocate the recycled raw material via a certified mass balance approach to all chemicals produced in this Verbund.



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BASF
We create chemistry



Your benefits

- Chemical recycling uses plastic waste that is not recycled otherwise
- **Virgin quality:** suitable for contact with food.
- You do not need to **change/adapt your production equipment and processes. Ccycled products are drop-in products.**
- A **closed loop** is possible (e.g. packaging).

Our products from chemically recycled waste

	Ultramid Ccycled postC 1	Ultramid Ccycled postC 2	Ultramid Ccycled preC 3
Raw material source	Household mixed plastic waste (Post Consumer)	Scrap tires (Post Consumer)	Polyamide production waste (Post Industrial)
Method	Pyrolysis	Pyrolysis	Cracking process
Possible claims for customer applications*	<ul style="list-style-type: none"> - Contributes to the Circular economy - Closes the packaging loop - Fossil raw materials were replaced by recycled materials (mass balance) - CO₂ savings compared to energy recovery 	<ul style="list-style-type: none"> - For this product less fossil primary raw materials are used - Prime quality materials from hard to recycle waste - CO₂ savings compared to energy recovery 	<ul style="list-style-type: none"> - For this product less fossil primary raw materials are used - CO₂ savings compared to energy recovery
Target industry	Packaging	Textiles, carpets, automotive	Filaments, Construction
Certified by independent Certifiers	✓	✓	✓

*Claims subject to legal review by user.

Learn more about **ChemCycling from BASF**
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