



CERTIFIED COMPOSTABLE POLYMER WITH BIO-BASED CONTENT

ecovio® Biopolymer is a versatile and high-performance biopolymer, that is certified compostable and partly bio-based. ecovio® is a finished product that can be used by the customer as drop-in solution with standard plastic production procedures. Additional blending is therefore not required.

ECOVIO® CONSISTS OF THE COMPOSTABLE AND BIODEGRADABLE BASF POLYMER ECOFLEX® AND POLYLACTIC ACID (PLA), WHICH IS DERIVED FROM CORN OR OTHER SUGAR GENERATING PLANTS LIKE MANIOC. IN CONTRAST TO SIMPLE STARCH-BASED BIOPLASTICS, ECOVIO® IS MORE RESISTANT TO MECHANICAL STRESS AND MOISTURE.

CHARACTERISTICS AND PROPERTIES

The main areas of use for ecovio® are plastic films used for e.g. organic waste bags, fruit and vegetable bags, carrier bags with dual-use (first for shopping, then for organic waste) or agricultural films. ecovio® can also be utilized in single-use applications such as plasticware. Furthermore, compostable packaging solutions such as paper-coating, shrink and cling films as well as injection molding and thermoformed products can be produced with ecovio®.

- Finished compound
- Certified compostable and biodegradable
- Variable biobased content
- Certified worldwide
- Printable and has excellent heat sealing properties



Agriculture

The benefits of ecovio® in agriculture are numerous: increase yield and earlier harvesting, little to none herbicide needed, less water usage, better resistance to fungal disease and easier, less time-consuming managing of end-of-life.

Typical applications include mulch films.



Consumer Goods

ecovio® is well suited for the consumer market. Suitable for food contact, good barrier properties against liquids, fat and mineral oil, elastic and moisture and tear resistant it has a wide range of typical applications.

Applications include:

- Organic waste and carrier bags
- Paper coatings
- Fruit and vegetable bags

Packaging

ecovio® can be produced on standard plastics manufacturing machines and can be used for a wide range of packaging applications. ecovio® runs on single and multi-layer films for rigid packaging, is suitable for food contact, and provides a great balance of stiffness and toughness.

Applications include:

- Flexible packaging
- Rigid packaging



[Learn more at nexeoplastics.com/basf/ecovio](https://nexeoplastics.com/basf/ecovio) or contact us to request a free sample.

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