

# Flexible Film Applications

Certified compostable and highly bio-based ecovio® F portfolio

ecovio® is a high-quality and versatile biopolymer of BASF. The primary advantage is the certified compostability and the bio-based composition. ecovio® consists of the compostable BASF polymer ecoflex® and polylactic acid (PLA). It is a finished product that can be used as a drop-in solution on standard plastic production machinery. Products made of ecovio® are just as high-performing and strong in use as conventional plastics. The product properties are designed to biodegrade in compost after use.

## Key technical benefits

- Broad processing and melt temperature window
- Excellent down-gauging potential (low film thickness possible)
- High wet-resistance when used for organic waste collection
- Balanced combination of puncture and tear resistance
- Good tensile strength and therefore carrying capacity
- Tailored film stiffness according to customer requirements
- Excellent sealing strength, comparable to LDPE

## Sustainability benefits

- Fully compostable according to international standards, e.g. EN 13432
- Bags made of ecovio® support citizens in the separate collection of organic waste. Composting it is more resource-efficient than having it landfilled or incinerated.
- Composting organic waste can reduce the production of greenhouse gases. Moreover, compost can prevent soil erosion and be used to improve soil fertility as it contains valuable phosphate.

## Fields of application

- T-Shirt bags
- Organic waste bags
- Shopping bags
- Sealing layer for multilayer structures
- Fruit and vegetable bags



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## Note

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