Biodegradable Polymers

Preliminary Product Information

**Version 1.0**
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G-PM/PB

# ecovio® 50 P1606

## Biodegradable compound for extrusion coating on paper & board

® = ecovio® and ecoflex® are registered trademarks of BASF SE.

**Product Description**

ecovio® 50 P1606 is our compostable product for extrusion coating on paper and board partly based on renewable resources.
The biobased carbon content of ecovio® 50 P1606 is above 50 %.

Our new ecovio® 50 P1606 exhibits the following key properties:

- Excellent processability on conventional PE-LD extrusion coating lines
- Good sealing properties
- Good adhesion on standard paper & board
- Good printability

ecovio® 50 P1606 process on extrusion coating lines without an additional formulation. The processing conditions must be adapted to the ecovio® conditions and the adhesion depends from the paper or board specification.

## Certification of Compostability and Biodegradability

ecovio® 50 P1606 is a biodegradable & compostable compound. Available certificates:

European standard
EN 13432
Australian standard
AS 4736

European standard
EN 13432

| Certification mark Norm | OK compost Industrial EN13432 | Seedling EN13432 | Biodegradable PLA |
|---|---|---|---|
| Certification Body | TÜV Austria | DIN Certco | JBPA |
| Certification Number | TA8012004266 | 7W0414 | C00691 |

## Food Contact Status

Food contact certificates for ecoflex®- and ecovio®-grades including information about specific limitations and details concerning the food contact status for different regions worldwide can be obtained upon request via a local BASF representative or by contacting plastics.safety@basf.com. The suitability of the article for the application concerned must be ensured in each case by the person who places any finished food contact article on the market.

## Form Supplied and Storage

ecovio® 50 P1606 is supplied in 1 t big bags or 25 kg bags using an Alu-liner as moisture barrier. Temperatures during transportation and storage may not exceed 60 °C at any time. Storage time of unopened bags may not surpass 12 months at room temperature (23 °). According to our experience pre-drying of ecovio® 50 P1606 is not required if the granules are taken from an unopened bag.

## Quality Control

ecovio® 50 P1606 is produced as a standard material in a continuous production process according to DIN EN ISO 9001. The melt volume rate, MVR, at 190 °C, 2,16 kg, according to ISO 1133 has been defined as specified parameter for quality control. A certificate can be provided with each lot number upon request. The ecovio® granules have to be pre-dried (6 hours at 70 °C) before MVR measurement in order to obtain accurate values.

## Applications

ecovio® 50 P1606 has been specially developed for coating on paper or board using the extrusion coating process. We supply technical service information on demand.

## Typical Basic Material Properties of ecovio® 50 P1606

| Property | Unit | Test Method | ecovio® 50 P1606 |
|---|---|---|---|
| Mass Density | g/cm³ | ISO 1183 | 1.27-1.30 |
| Melt Volume Rate MVR 190°C, 2.16 kg | ml/10 min. | ISO 1133 | 14,5 - 20,5 |

## Note

The information submitted in this document is based on our current knowledge and experience. In view of the many factors that may affect processing and application, these data do not relieve processors of the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance for a special purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed. (April 2024)

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