

# Biodegradable, Compostable and Bio-Based Films



Die Kunst des Verpackens  
The art of packaging

[www.pebal.cz](http://www.pebal.cz)



**PEBAL**<sup>®</sup>

# Biodegradable, Compostable and Bio-Based Films

## Biodegradable PBS flexible packaging

- Compostable in standard ambient conditions (30°C) at open-air landfill sites, in home garden compost bins or in soil along with other organic waste
- Decomposes into biomass, carbon dioxide and water in a short period of time (weeks to months) without requiring special composting facility
- Independent from fossil resources – produced from renewable natural resources, such as sugarcane, cassava and corn

## Characteristics and properties

- Clear transparent foil
- Thickness from 20 my
- Excellent heat sealability
- High temperature resistance up to 100°C
- Flexo printable (up to 8 colours)
- Food contact approved (Meets the requirements of BRC certificate)
- OK Compost Home certifiable

## Biodegradable PLA flexible packaging

- Polymer of polylactic acid (bio-decomposable polyester)
- Compostable in industrial composting facility along with other organic waste
- Produced from renewable natural resources such as corn and potatoes
- Independent from fossil resources – 100% bio-based product

## Characteristics and properties

- Thickness from 15my
- Milky colouring
- High puncture and tear resistance
- Good heat sealability
- Flexo printable (up to 8 colours)
- Food contact approved (Meets the requirements of BRC certificate)
- OK Compost Industrial certifiable

## PE bio-based flexible packaging

- Co-extruded polyethylene film made from renewable natural resources
- Independent from fossil resources – the input granulate is purely natural material such as sugarcane, corn, etc.
- More than 80% of the input material from renewable resources

## Characteristics and properties

- Clear high-transparent foil
- Sealability, mechanical and optical properties comparable to synthetic PE foils
- Non-degradable, retains PE film properties and is 100% recyclable
- OK Biobased certifiable

## Use of degradable, compostable and "bio-based" foils

- Sacks and bags on roll for packing fresh fruit and vegetables (e.g. carrots, potatoes, apples)
- Macroperforated films with excellent sealability for automatic packaging of fresh fruit and vegetables
- Flow-pack packaging for automatic horizontal and vertical lines
- Films for laminating with other compostable materials (e.g. paper)
- Packs for group packaging of pastries, flower packs, sanitary aids, food products, etc.
- Standard packaging film for wholesale, logistics, automotive, furniture and other industries
- Catalogue film for magazine packaging



Die Kunst des Verpackens  
The art of packaging  
[www.pebal.cz](http://www.pebal.cz)

PEBAL

T: +420 377 882 811 | [info@pebal.cz](mailto:info@pebal.cz)