



BIOTEC GMBH & CO. KG

Foundation

- 1992

Branches

- Compounds, biodegradable and compostable resins

Key materials

- Biologically sourced polymers such as PLA and potato starch

Key bio-based products

- BIOPLAST, plant-based 100 % biodegradable bioplastic resins made from potato starch and other biologically sourced polymers.



A new generation of plant-based polymers



Film application made from BIOPLAST



Company

BIOTEC is a leading company that develops and produces sustainable bioplastics made from plant-based renewable resources. Flexible and rigid applications range from refuse and shopper bags to pharmaceutical capsules, including food industry blisters, cosmetics packaging and many other products manufactured and produced to order.

BIOTEC bioplastic resins are sold under the brand name of BIOPLAST. Products made from all BIOPLAST grades are 100 % biodegradable and compostable according to EN 13432. In the fast-growing market of bioplastics, BIOTEC is a key player that offers credible and industry-scale biobased plastic solutions, with the objective of significantly reducing the use of fossil-based plastics.

BIOTEC's know-how lies in 3 areas of expertise:

- Developing new formulations and being able to combine the physical properties of our components to reach specified properties.
- Compounding expertise: BIOPLAST specific properties not only depend on its composition, but significantly on the compounding technique used. BIOTEC has achieved outstanding proprietary know-how.
- Screw design: BIOTEC is able to design its own screw set-up in order to obtain new properties and has developed an exclusive pool of compounding units.

With its dedicated research team, BIOTEC is constantly improving the characteristics of BIOPLAST in terms of mechanical and barrier properties in order to meet the requirements of industry sectors such as cosmetics, food, agriculture, pharmaceuticals and others.

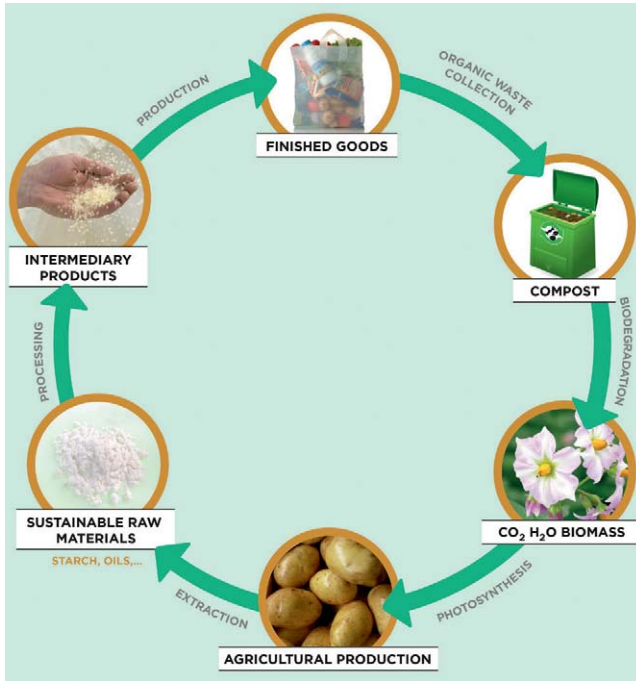
With an extensive sales network, covering most European countries, BIOTEC provides the finest customer service and technical support.

Products

BIOPLAST are 100 % biodegradable bioplastic resins made from potato starch and other biologically sourced polymers.

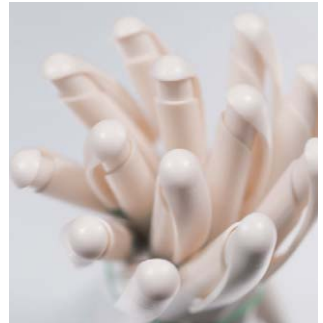
BIOPLAST grades are designed to run on existing standard industrial equipment. They can be processed by extrusion plants manufacturing blown film, flat film, mouldings, profiles and injection moulded components to become fully biodegradable products. Over and above film applications such as bags and wrapping products, BIOPLAST resins can be used to manufacture products for the catering/fast food industry, foods and pharmaceuticals, healthcare, agriculture or the automotive industry.

For the entire BIOPLAST range, the company strives to achieve the highest possible proportion of biobased raw materials. The spectrum of biobased proportions starts at 23 % (BIOPLAST GF 106/02), rises to over 50 % (BIOPLAST 500) and peaks at 69 % (BIOPLAST GS 2189). Even the maximum proportion of 100 % is available with BIOPLAST TPS® the finest example.



BIOPLAST a virtuous cycle

BIOPLAST resins are a relevant answer to environmental issues. The use of renewable resources by industry effectively saves fossil resources and reduces the amount of greenhouse gas emissions. With „OK compost“ certification, packaging made from BIOPLAST provides the most relevant end-of-life option in green waste collection systems.



Rigid application made from BIOPLAST

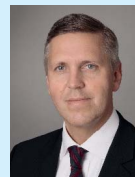
Link to Agrobiobase



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