



## COMPANY NAME

### Foundation

- 2011

### Employees

- Approx. 20

### Branches

- Development & production of bioplastic compounds
- Biodegradable & compostable compounds
- Bio-based compounds
- Compounding
- Extrusion

### Key materials

- PLA
- PBAT
- PBS
- Starch Blends

### Key products

- Biofibre® Silva
- Biofibre® Lenta
- Biofibre® Sustra
- Biofibre® Solva



### Development and production of Bioplastic Compounds

Biofibre focuses on the use of renewable raw materials, while ensuring that the renewable raw materials are not in competition with food production. We primarily focus on product development and production of material granules for further processing with established production techniques.

A wide selection of Biofibre® formulation developments is waiting for you in our portfolio. A large number of our compounds made from biopolymers as well as fillers and fibers leave nothing to be desired. Optimization of the mechanical properties, fiber optics and other adjustments are part of our know-how. Whether bio-based, biodegradable compounds or a combination of both properties: We are your contact when it comes to the use of renewable raw materials in your company. For further questions regarding the production and manufacture of articles, please contact us.

### Our various Biofibre® Compounds

#### Biofibre® Silva

The Biofibre® Silva product group contains the essence of Biofibre®. These are bio-based and biodegradable compounds based on a biopolymer matrix and natural fibres. Biofibre® Silva is available in virgin as well as recycled quality. Highest proportions of bio-based raw materials are combined with the property of biodegradability.

It is suitable for a wide range of product applications, especially for solid packaging, consumer articles or moulded parts with comparable mechanical property requirements.

#### SUSTAINABLE AND BIOBASED!

- Engineering grade based on polypropylene and wood fibres
- Suitable for production of complex articles with long flow paths at very low wall thicknesses.
- Excellent processability, excellent surface finishing, dyeable with standard colour masterbatches.
- Ideal for applications where high temperature resistance, very short processing times, and low density is desired
- Typical markets are within consumer articles, furniture industry, water-contact applications, automotive parts and rigid packaging.
- Drop-in for e.g. PP, HDPE
- Example: Flower pot with very thin walls



Sharpener – Biofibre® Silva



Flower Pot – Biofibre® Sustra



## Biofibre GmbH

### Contact

#### Biofibre GmbH

Sonnenring 35  
D-84032 Altdorf  
Germany  
Fon: +49 (0)871 308-0  
www.biofibre.de

### Contact person



#### Christoph Glammert

Head of Marketing  
Phone: +491704508097  
@: Christoph.glammert@  
biofibre.de



Animal bite protection –  
Biofibre® Solva



Shoe tree - Biofibre®  
Lenta

### Biofibre® Lenta

Biofibre® Lenta serves the desire for the highest material requirements: bio-based raw materials combine with the property of outstanding toughness and strength in the field of bioplastics.

Biofibre® Lenta can be obtained with or without the addition of fibres and can be used as a drop-in solution for a wide range of applications, preferably PE/PP plastic applications.

#### BIOBASED, TOUGH AND BIODEGRADABLE

- Almost fully bio-based grade made from bio polyesters and natural mineral fillers
- Suitable for production of complex articles with long flow paths at very low wall thicknesses.
- Excellent processability, excellent surface finishing, dyeable with biobased colour masterbatches.
- Typical markets are within applications where an almost fully biobased material comprising a high material strength and toughness is desired.
- Typical markets are within consumer articles, furniture industry, water-contact applications, automotive parts and rigid packaging.
- Able to substitute e.g. ABS, PC/ABS

### Biofibre® Sustra

Fits perfect when you want to transform your previously used standard plastics green by supplying bio-based materials in the compound. Processing capabilities and product properties are almost equivalent to traditional petroleum based plastics (e.g., PE, PP). The bio-based proportion here is at least 20%.

#### SUSTAINABLE AND BIOBASED!

- Engineering grade based on polypropylene and wood fibres
- Suitable for production of complex articles with long flow paths at very low wall thicknesses.
- Excellent processability, excellent surface finishing, dyeable with standard colour masterbatches.
- For applications where high temperature resistance, very short processing times, and low density is desired.
- Typical markets are within consumer articles, furniture industry, water-contact applications, automotive parts and rigid packaging.
- Drop-in for e.g. PP, HDPE
- Example: Flower pot with very thin walls

### Biofibre® Solva

This is a compound that has been optimized for biodegradability. At the same time, good processability is ensured. Biofibre® Solva is a compound with optimized properties in terms of biodegradability.

The compound, which is made of biobased raw materials, also has the ability to degrade in the soil. As soon as the compound is released into nature outside the actual environment of use, the climate and fauna begin their work and gradually decompose the compound into CO<sub>2</sub>, water and biomass.

#### BIODEGRADABLE AND BIOBASED

- Blend material made from bio polyester that biodegrade in natural environments.
- Combines high flexibility with toughness.
- Suitable for production of complex articles with long flow paths at very low wall thicknesses.
- Excellent processability, excellent surface finishing, dyeable with bio-based colour masterbatches.
- Typical markets are within applications where biodegradability in nature plays a vital role.
- Able to substitute e.g. LDPE, EVA, (PP, HDPE)