

## BIO-FED

Branch of AKRO-PLASTIC GmbH

### Foundation

- 2014

### Branches

- Cologne, Germany

### Key materials

- Biodegradable and/or biobased compounds, e.g. for film, injection moulding, extrusion and thermoforming applications
- Biodegradable masterbatches

### Key products

- M-VERA® biocompounds
- AF-Eco® masterbatches
- AF-CirColor® masterbatches



### Think sustainable

BIO-FED produces and markets biodegradable and/or biobased plastics under the brand name M-VERA®.

As experts in developing, compounding and marketing biodegradable and/or biobased plastics, the company provides customised technical solutions developed specifically for customers applications. And with AF-Eco®, it also offers corresponding biodegradable color, carbon black and additive masterbatches. BIO-FED's compounds are produced at AKRO-PLASTIC and the masterbatches at AF-COLOR, both located in Niederzissen, Germany.

As a branch of AKRO-PLASTIC GmbH, BIO-FED is a member of the international Feddersen Group, which is headquartered in Hamburg.

### All services at a glance

With over 60 years of experience in the plastics industry, BIO-FED offers within their corporate alliance expert advice, customer-focused service and a sales and distribution operation performing to the highest standards, as well as:

- Expert knowledge in the area of biodegradable/biobased plastics
- Research and development in own in-house laboratory
- Global raw materials procurement
- Broad portfolio of biodegradable and/or biobased compounds
- Expertise in global order processing and logistics
- Flexibility of a customer-focused compounder with state-of-the-art compounding
- International sales team and team of engineers
- Assistance with product development, material selection and processing
- Bioplastics trainings on-site at customers facility

### Diversity in application

BIO-FED's product line includes a broad range of bioplastic compounds with different properties, such as biodegradability and/or a biobased content. The M-VERA® products are already well-established in a number of applications and can be used with various processing methods. In addition, all compounds can be colored individually.





### M-VERA® series

- M-VERA® A series for agricultural films
- M-VERA® B series for bag applications
- M-VERA® BR series for high biocontent film applications (e.g. flexible packaging)
- M-VERA® F series for monofilament applications (e.g. 3D printing)
- M-VERA® GP series for general purpose applications (e.g. injection moulding, extrusion and thermoforming)
- M-VERA® PPC/PPH series of biomass-balanced polypropylene compounds for durable applications (e.g. injection moulding, extrusion, fibre applications)

### AF-Eco® masterbatches (EN 13432 certified)

- Color and carbon black masterbatches
- Additive masterbatches

### AF-CirColor®, AF-CirCarbon®, AF-CirComplex® masterbatches

- Masterbatches based on biomass-balanced carrier materials

### Film applications

- Shopping bags
- Fruit and vegetable bags
- Biowaste bags
- Agricultural films such as mulch film
- Food packaging

### Injection moulding applications

- Coffee capsules
- Disposable cutlery and dishes
- Food and cosmetics packaging
- Lids and plugs
- Agricultural applications such as flower pots, plant ties
- Toys
- Engineering applications for food contact

### Extrusion and thermoforming applications

- General packaging, also transparent
- Trays
- Coffee capsules
- Profiles

We will be happy to assist you with materials selection and provide technical service and on-site support for machine and process parameter setup.



#### Contact

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