

AF-Eco® Masterbatches

Biodegradable Color, Carbon Black and Additive Masterbatches



In close cooperation with AF-COLOR, another branch of AKRO-PLASTIC GmbH, we can offer you a variety of masterbatches based on various biodegradable or biobased carrier polymers.

AF-Eco® Color and Carbon Black Masterbatches

The coloring of bioplastics is gaining increasing importance, and is usually achieved with color masterbatches, consisting of a polymer carrier material and the respective pigments. AF-Eco® color masterbatches are made with biodegradable carrier polymers. The AF-Eco® product portfolio has now been enriched with a broad range of biodegradable masterbatch carriers, providing the fitting base carrier for each application. These new products have been developed to meet the requirements of every biodegradable plastics application and their increasing complexity, also minimizing the interactions with other polymer components of the compound.

AF-Eco® masterbatches contain pigments certified in accordance with “OK compost INDUSTRIAL” and EN 13432. In Europe, EN 13432 is the standard that suppliers must consider when it comes to corresponding audits. The formulations of the AF-Eco® masterbatches are in accordance with the requirements of this standard which

above all regulates the heavy metal content, for example for use in packaging applications.

Our standard portfolio already includes numerous colors. With our certified color range, we can supply color masterbatches to match every of your special requirements. Even effect colors such as pearlescent colors are now part of our portfolio. Please ask for more information.

Nomenclature

Example: AF-Eco® PB 301153 [XX] red

[XX]	=	PL	→	PLA
		AT	→	PBAT
		CA	→	PCL



BIO-FED

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AF-Eco® Additive Masterbatches

The AF-Eco® additive masterbatches are also made with biodegradable carrier materials which are paired with corresponding active ingredients. We offer, for example, functional masterbatches such as lubricant, anti-block and blowing agent masterbatches. We would be pleased to work with you to develop additive masterbatches, based on biodegradable carrier materials, that suit your individual requirements – and which are upon request tested and certified according to EN 13432.

Applications

AF-Eco® masterbatches can be processed easily on standard equipment, for example, with our M-VERA® film and injection moulding grades. AF-Eco® masterbatches are based on biodegradable materials and are therefore suitable for the production of short lifespan products that need to be optimised with regard to sustainability.

They are suitable for the production of compostable products such as shopping bags, organic and garden waste bags, mulch films, stickers, coffee capsules and much more.

Product Features

- Excellent dispersion
- Suitable for film extrusion and injection moulding
- Free of heavy metals and phthalates



The information given here is only valid for AF-Eco® grades in their original packaging, sold by BIO-FED® and/or its authorized partners. AF-Eco® grades shall be stored in dry, closed rooms in closed packaging in original state. For keeping the product properties, the material must be protected against direct sun and the temperature must not exceed 50 °C at any time during transport and storage. AF-Eco® grades have a remaining shelf life of six (6) months at room temperature (23 °C) from the delivery date. We recommend that products contain AF-Eco® grades shall be stored under same conditions.

The information contained herein is based on our current knowledge and experience. A legally binding promise of certain characteristics or suitability for a concrete individual case cannot be derived from this information. The information supplied here is not intended to release processors and users from the responsibility of carrying out their own tests and inspections in each concrete individual case. BIO-FED®, M-VERA® and AF-Eco® are registered brands of AKRO-PLASTIC GmbH.



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