

AF-Eco® masterbatches

Biodegradable color, carbon black and additive masterbatches

Color, carbon black and additive masterbatches

In close cooperation with AF-COLOR, we offer you a broad variety of masterbatches. The use of a biopolymer as a carrier material suitable for the application, for example PLA, PBAT, PCL or PP, minimises interactions with other components of the compound.

These masterbatches can be used for film, injection moulding, 3D printing, extrusion and thermoforming appli-

cations – as well as in combination with our M-VERA® biocompounds. Our masterbatches and the matching biocompounds can easily be processed with standard equipment and are characterised by an excellent dispersion quality. Furthermore, the masterbatches are free of heavy metals and phthalates.

Biodegradable AF-Eco® masterbatches

Due to their biodegradability, AF-Eco® masterbatches are especially suitable for the use in shopping bags, fruit and vegetable bags, mulch films, coffee capsules, reusable cutlery and dishes, food and cosmetics packaging, agricultural applications and much more.

The coloring of bioplastics is becoming increasingly important and is now done almost exclusively with the help of color masterbatches, in which biopolymer-based carrier materials are paired with color pigments. The colorants – certified “OK compost INDUSTRIAL” according to the European standard EN 13432 – are being dispersed in biodegradable carrier materials. The formulations of AF-Eco® masterbatches comply with the specifications of this standard, which also regulates the heavy metal con-

tent. Our standard portfolio already includes numerous color shades. Of course, we can also realise your individual color wishes. With our pool of certified color pigments, we can realise almost any color target – even effect colors with pearlescence. We will be happy to advise you in detail.

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.

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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