

# ecoflex® Batch Black

## Black masterbatch for ecoflex® and ecovio® – The biodegradable polymers for compostable film

® = Registered trademark of BASF SE

### Product description

ecoflex® F Blend C1200 is our biodegradable, statistical, aliphatic-aromatic copolyester based on the monomers 1.4-butanediol, adipic acid and terephthalic acid for film extrusion.

Our ecovio® film products are basically compounds of ecoflex® F Blend and polylactic acid (PLA) produced with various contents of renewable resources. Detailed information on ecoflex® and ecovio® are available in our product brochure and our technical product data sheets.

ecoflex® Batches are based on ecoflex®, because the regulations for biodegradable plastics limit the use of non-biodegradable polymers within biodegradable plastics to max. 1% for each polymer. In order to obtain a certificate for articles made of ecoflex® F Blend C1200 we have to meet the requirements of the DIN EN 13432, ASTM D 6400 or the Japanese GreenPla standard. Masterbatches based on biodegradable plastics will enable you to qualify your application for the certificate according to these specific standards.

ecoflex® Batch Black is used to avoid the penetration of light through mulch films to eliminate the development of herbs under the film.

**ecoflex® Batch Black contains 35 % of carbon black.** A typical film formulation for a 12 µm thick film contains:

- 90 % ecovio® M2351
- 10 % ecoflex® Batch Black

### Food Regulatory Status

ecoflex® Batch Black is a masterbatch with 35 % carbon black for ecoflex® and ecovio®. It can be added to ecoflex® and ecovio® in amounts up to 7 % since a maximum of 2.5 % carbon black in the final polymer is the maximum permitted quantity in the food contact regulations.

### Form supplied and storage

ecoflex® Batch Black is supplied as pellets in 25 kg bags. Temperatures during transportation and storage may not exceed 70°C at any time.

### Quality Control

ecoflex® masterbatches are produced on state of the art compounding machines according to DIN EN ISO 9001. The additive and the moisture content have been defined as specified parameters for quality control of ecoflex® Batch Black. A certificate can be provided with each lot number upon request. Other data given in our literature are typical values, which are not part of our product specification for ecoflex® Batch Black.

### Applications

ecoflex® F Blend C1200 and our ecovio® film products have been developed for the conversion to flexible films using a blown film or cast film process. Typical applications are packaging films, agricultural films and compost bags. In view of numerous factors influencing functionality and shelf life of ecoflex® or ecovio® films and finished articles made thereof these parameters have to be tested by the converters before utilisation.

We supply technical service information concerning the blown or cast film process with ecoflex®, ecovio® and ecoflex® masterbatches on demand.

### Note

The information submitted in this document is based on our current knowledge and experience. In view of the many factors that may affect processing and application, these data do not relieve processors of the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance for a special purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.