

Finke at Fakuma 2021

Hall A4, Booth 4208

Contact:

Dr. Christine Rüdiger
C.Ruediger@finke-colors.de

Karl Finke GmbH & Co. KG
Tel.: 0202 709 06-0
info@finke-colors.de
www.finke-colors.eu

Finke at Fakuma 2021:

- **FIBAREC masterbatch series based on PCR and**
- **FIBAPLAST NIR detectable Black masterbatches**
- **FIBAFEKT special effects collection**

With the growing awareness for sustainability, plastic products based on recyclates are on the rise. The industry is therefore also seeing an increase in demand for sustainable plastic colorant systems. To meet this demand, Finke, a leading producer of plastics colorants, has developed its new FIBAREC masterbatch series based on recyclates, a range of FIBAPLAST NIR detectable Black masterbatches, the FIBAFEKT special effects collection for products with high PCR content.

NIR sorting of black packagings

The key to recycling post-consumer waste is sorting. By using a carbon black-free pigment formulation for its FIBAPLAST NIR detectable Black Masterbatches Finke ensures that black products become fully detectable on NIR-sorting machines. The FIBAPLAST NIR detectable Black masterbatches are available for standard packaging polymers like HDPE, PP, PS and PET. After successful trials conducted together with leading sorting machine manufacturers, COTREP (Comité Technique pour la Recyclage des Emballages Plastiques) has certified Finke's FIBAPLAST NIR detectable Black masterbatches for rigid PE and PP packagings in October 2020. At Finke's technical center the FIBAPLAST NIR detectable Black masterbatches can be tailored exactly to application within a very short time. With its expertise and comprehensive technical support Finke enables rapid marketability of sustainable and environmentally compatible products.

PCR based masterbatches

The masterbatches from the FIBAREC series are based on either on post consumer recyclates (PCR) or post industrial recyclates. This enables the production of attractive colorful plastic products made from 100 % recyclate. The FIBAREC Masterbatches available so far, are based on rPET. FIBAREC based on the carriers rPE and rPP will follow shortly. The FIBAREC masterbatches can be processed just like masterbatches based on virgin materials and can be used in products based on recyclate as well as in products made from virgin material.

The challenge of coloring PCRs lies in the inherent greyish coloring of most PCR materials, which needs to be taken into account in the matching and adjusting of the colorant. This being one of Finke's core competencies, customers can rely on the experienced colorists, who develop more than 8,000 new color shades in accordance with customer specification each year. The expertise of Finke makes for a short time to market with almost any thermoplastic material. Plastics manufacturers can choose from three service concepts for the color matching process for their individual ready-to-use Finke colorant: color matching and sampling according to specification, custom color matching at Finke's laboratory, or on-site colorist service.

Extravagant special effects

FIBAFEKT is a technical innovation that allows for a wide variety of special effects like metallic gloss, pearly shine, rainbow, color flop or chrome-like surfaces which cannot be achieved with standard masterbatches.

FIBAFEKT is a semi-compound to be used in the outer layer of coextruded bottles, high end 2K-injection moulding and films. The application of FIBAFEKT opens up new design dimensions even for products with a high PCR content. Special processes allow for an inner layer of PCR, which is covered by an outer layer of FIBAFEKT enabling the full range of color and effect options. FIBAFEKT can be used in a number of resins, including PE, PP, PET-G and PA12. Finke also provides customised carriers for 100 % single-origin products.



FIBAPLAST NIR detectable Black masterbatches are carbon black-free and enable NIR-based polymer sorting and increased recyclability. Source: Finke



With its FIBAREC masterbatch series, Finke has developed a new masterbatch line to satisfy the growing demand for sustainable plastic colorant systems. Source: Finke



The FIBAFEKT collection allows for a wide variety of special effects – especially for products with high PCR content. Source: Finke

About Finke:

Karl Finke GmbH & Co. KG, with registered office in Wuppertal (Germany), ranks among the largest medium-sized manufacturers of pigment preparations for the plastics'-processing industry in Europe. The high-quality master batches, liquid paints, color pastes and pulverised pigment preparations are used in cosmetics' and foodstuffs' packaging, in injection-moulding applications, in technical components, in film- processing as well as in the automotive and furniture industries. With 70 years of experience in the sector, the ISO 9001, 14001 and 50001-accredited company prides itself in its ability to accompany its customers and their products from the design phase all the way through to start of production. State-of-the-art technical equipment is the customer's guarantee of a second-to-none, application-specific advisory service in colors, all of which can take place either in the company's in-house laboratory facility or on the customer's own premises. As an independent company, Karl Finke GmbH & Co. KG operates distribution bases in numerous different countries and exports its products on a worldwide scale.