

Press release

K 2010: FKuR presents new bioplastics for film and injection moulding applications

Coinciding with the opportunity of K 2010, bioplastics manufacturer FKuR Kunststoff GmbH has extended its product range to include more innovative products. These will be presented at the show in hall 6, booth B66.

Utilisation in shrink film applications:

Predominantly based on renewable resources, **Bio-Flex[®] F 4110** can be processed into film on conventional LDPE extruders. The properties required for shrink films can be adjusted by using this grade in combination with other Bio-Flex[®] F types in a multilayer structure. "Due to the innovative combination of raw materials and multilayer structures, films made from this material show excellent shrink qualities and tightening strength " says Patrick Zimmermann, director Sales and Marketing. Bio-Flex[®] F 4110 is a compostable raw material corresponding to EN 13432 with a renewable resource content greater than 60%.

Suitable for thermoforming and injection moulding:

Based on PLA and PBS, **Bio-Flex[®] S 5630** is a compound with a high renewable resource content. The bio raw materials used in this compound are 100 % biodegradable. Bio-Flex[®] S 5630 excels due to the careful balance of elasticity and stiffness. Moreover, products made from Bio-Flex[®] S5630 feature a high quality and pleasant feel "Besides the high quality surface finish, considering it is a PLA compound, this material offers an excellent heat distortion temperature of 105 °C measured to Vicat A" says Carmen Michels, director Technology and Production. This grade is particularly suitable for cast film extrusion and subsequent thermoforming, as well as for injection moulding and extrusion blow moulding.

These compounds, developed in cooperation with Fraunhofer UMSICHT, extend FKuR Kunststoff GmbH's sustainable product portfolio. "With these novel resins we are extending our range of products consistently for use in film applications and for high flow injection mouldable materials", explains Edmund Dolfen, Managing Director of FKuR Kunststoff GmbH.

FKuR Kunststoff GmbH produces and markets special customized biopolymers under the brand names Bio-Flex® (polylactic acid/copolyester compound), Biograde® (cellulose ester compound) and Fibrolon® (natural fibre reinforced polymers). The close cooperation of the company with the Fraunhofer Institute UMSICHT assures outstanding know-how and quality standards.

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