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**FKuR**  
plastics - made by nature!<sup>®</sup>

## PRESS RELEASE

### FKuR adds two injection molding grades to its Biograde<sup>®</sup> portfolio of bioplastics

Willich, Germany, April 2017 – The bioplastics specialist FKuR Kunststoff GmbH of Willich, Germany has extended its product range of cellulose acetate based injection molding grades. In addition to the current standard grade, C9550, this portfolio now also includes the new grades Biograde<sup>®</sup> C 5509 CL and C 5508, which are both based on a newly developed combination of raw materials and additives. Along with other benefits, their ASTM D 6866 bio-based content [BCC] has been increased from 50% to over 65%. Both grades can be easily processed with short cycle times on standard injection molding machines with universal screws, even in multi-cavity molds. The cellulose used for Biograde<sup>®</sup> originates from sustainable forestry wood, tropical wood is not used.

The transparent Biograde<sup>®</sup> C 5509 CL is thermally stabilized resulting in a Vicat A softening temperature of 100 °C and a heat distortion temperature (HDT B) of 80 °C. As a result of its high melt flow index (MFR: 40 to 56 g/10 min [230 °C/5 kg]), Biograde<sup>®</sup> C 5509 CL is suitable for the production of components with thin wall thicknesses and long flow paths. With the appropriate masterbatch, it can also be colored easily.

If opaque or translucent components are required, FKuR alternatively offers Biograde<sup>®</sup> C 5508. This translucent cellulose compound has a lower MFR (18 to 25 g/10 min [230 °C/5 kg]) when compared to C 5509 CL and is preferred for smaller and thicker-walled injection-molded parts.

All Biograde<sup>®</sup> compounds from FKuR are characterized by their high stiffness, tensile and impact strength as well as a pleasant surface finish. Typical application areas include injection molded engineering parts, e. g. for the electronics and appliance industry, as well as consumer products such as toothbrushes, ball-point pens or cutlery. All

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grades are free from harmful plasticizers and suitable for food contact according to EN 10/2011 and FDA as well as for the production of children's toys (EN 71-3).

FKuR will be presenting these and other product innovations at booth 9F14 in Hall 9 at Interpack, which will take place from 4 to 10 May 2017 in Düsseldorf, Germany.

### **Bioplastics:**

*Bioplastics are a unique class of materials which are based on renewable resources and/or enable the biodegradation of products made from these polymers.*

### **About the FKuR group:**

*The FKuR Group is a medium-sized, privately-owned company group focusing on the development, production and distribution of high-quality specialty compounds and the distribution of specialty plastics.*

*Embedded in the company group are FKuR Kunststoff GmbH, one of the leading producers of bioplastics compounds for flexible packaging solutions and technical applications, as well as FKuR Polymers GmbH, which specializes in the development and production of TPE and PP / PE compounds.*

*The product portfolio of the FKuR Group comprises the product groups of FKuR Kunststoff GmbH "Bio-Flex<sup>®</sup>", "Biograde<sup>®</sup>", "Fibrolon<sup>®</sup>", "Terralene<sup>®</sup>", "Terraprene<sup>®</sup>" as well as the brands Macoprene<sup>®</sup>, Macolen<sup>®</sup> PE and Macolen<sup>®</sup> PP of the FKuR polymer.*

*The distribution business includes the biobased PE "I'm green<sup>™</sup>" from Braskem, the biobased PET "Eastlon" from the Fenc Group, as well as the biobased PA "VESTAMID<sup>®</sup> Terra" from Evonik.*

**More information:** [www.fkur.com](http://www.fkur.com) and [www.fkur-polymers.com](http://www.fkur-polymers.com)

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