

Press release

KRAIBURG TPE will present new solutions compliant with the KTW-BWGL standard and closed-loop solutions at Fakuma 2023

Waldkraiburg, September 2023

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KRAIBURG TPE is highlighting its leading role as an innovator in the thermoplastic elastomers market at Fakuma 2023

New compounds for drinking water and hot water applications as well as trendsetting TPE solutions that contain high proportions of bio-based and recycled materials.

At Fakuma 2023 held from October 17 to 21 at Friedrichshafen Exhibition Center, KRAIBURG TPE will put the spot on its leading competence in the field of thermoplastic elastomers (TPEs). The product innovations presented at booth 5303 in hall B5 will focus on a series of new TPE compounds for sophisticated drinking water and hot water applications. As part of its expanded line of circular products, the manufacturer will also be showcasing several materials that contain high proportions of bio-based and recycled raw materials of up to 80%.

“Product reliability, sustainability and efficiency are the core requirements of our customers in the plastics industry. We are determined to meet these requirements by providing TPE solutions that set new standards with regard to high performance, cost-effective processing and exemplary environmental balance,” says Oliver Zintner, CEO at KRAIBURG. “Our appearance at this year’s trade fair for plastics processing in Friedrichshafen will therefore focus on trendsetting TPE solutions, which also highlight our industry-leading engineering competence, along with the versatility of our materials technology.”

KRAIBURG TPE will be showcasing the following four groundbreaking TPE developments as highlights of its appearance at Fakuma 2023:

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- **THERMOLAST® DW H2**, a series of new, plasticizer-free TPE compounds **for sanitary and drinking water tubes and hoses** that comply with the tightened DTW-BWGL standard (mandatory from March 2025) for organic materials in contact with drinking water. Available in five hardness degrees from 70 Shore A to 40 Shore D, they are suitable for low-cost processing on existing extruder lines for polyolefins, provide good adhesion to PP and ensure smooth surfaces with high resistance to the growth of microorganisms in accordance with DVGW W270. The range of suitable applications includes in particular shower tubes, pressure hoses and food hoses as well as supply tubing in dishwashers and washing machines.
- New **Hot Water TPEs for hot water applications** compliant with the KTW-BWGL standard, which are used in the environment of frequently changing water temperatures, such as seals and showerheads. As first non-cross-linking TPEs in this market segment, they also facilitate processing by their increased flowability and easy ejection. They also feature good adhesion to PP and PE as well as improved compression set at higher temperatures. KRAIBURG TPE expects this innovative materials technology for applications in contact with drinking water to be finally certified by the end of 2023.
- Second and third generation **bio-based TPEs with a proportion of renewable raw materials of up to 71%**, which are not in competition with the production of food or animal feed. The compounds expand KRAIBURG TPE's existing portfolio of sustainable materials for applications where manufacturers and processing companies are increasingly looking for materials solutions that significantly reduce their carbon footprint.

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- **TPEs with higher proportions of recycled materials of up to 80% from postindustrial and/or post-consumer waste streams.** Recycling Content TPEs provide an attractive environmental balance. They can be used universally and excel with high adhesive strength in multicomponent compounds with plastics such as PA, PC/ABS or PP.

Come and see KRAIBURG TPE at Fakuma 2023 held from 17 to 21 October in Friedrichshafen at booth 5303 in hall B5. For arranging an appointment on site on these days, please contact juliane.schmidhuber@kraiburg-tpe.com.



KRAIBURG TPE will be showcasing a series of innovative new thermoplastic elastomers for drinking water and hot water applications as well as an expanded range of trendsetting TPE solutions containing proportions of renewable and recycled materials.
(Image: © 2023 KRAIBURG TPE)

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Oliver Zintner, CEO at KRAIBURG TPE (Image: © 2023 KRAIBURG TPE)

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Information for press representatives



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About KRAIBURG TPE

KRAIBURG TPE (www.kraiburg-tpe.com) is a global manufacturer of custom-engineered thermoplastic elastomers. KRAIBURG TPE was founded in 2001 as an independent business unit of the KRAIBURG Group and is now the industry's competence leader in the field of TPE compounds. The company's goal is to provide safe, reliable and sustainable products for customer applications. With more than 680 employees worldwide and production sites in Germany, the USA and Malaysia, the company offers a large product portfolio for applications in the automotive, industrial and consumer goods industries, as well as for the strictly regulated medical sector. The established THERMOLAST®, COPEC®, HIPEX® and For Tec E® product lines are processed by injection molding or extrusion and offer manufacturers numerous advantages not only in processing but also in product design. KRAIBURG TPE is characterized by its innovative strength, global customer orientation, customized product solutions and reliable service. The company is ISO 50001 certified at its headquarters in Germany and holds ISO 9001 and ISO 14001 certifications at all its sites worldwide.