

## Press release

KRAIBURG TPE presents Recycling Content TPEs

Waldkraiburg, November 2023

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KRAIBURG TPE GmbH & Co. KG  
Friedrich-Schmidt-Strasse 2  
84478 Waldkraiburg  
Germany

Phone +49 8638 9810-0  
Fax +49 8638 9810- 310

info@kraiburg-tpe.com  
www.kraiburg-tpe.com

### Recycling Content TPE with various adhesion options

**KRAIBURG TPE presents further more sustainable product solutions: Recycling Content TPE. Customers now have access to various compounds with significantly higher recycled content from post-industry and/or post-consumer waste streams across the entire hardness range, i.e. also in the low ShA range. The new compounds also provide adhesion options to PA, PC/ABS or PP. The TPE manufacturer from Waldkraiburg, Germany, is thus responding to the growing demand and is supplying ready-to-use solutions.**

Waldkraiburg, Germany, November 08, 2023 - KRAIBURG TPE, a global manufacturer of custom-engineered TPEs, announces the launch of its latest product line. These solutions expand the group of THERMOLAST® R compounds and make it possible to use a high percentage of recycled materials. In comparison to the already established products, up to 70% can be achieved even in materials with low Shore A hardness. They are an important milestone in the development of innovative compounds with adhesion properties. The launch is KRAIBURG TPE's response to the increasing market demand for more environmentally friendly materials with a proportion of post-industrial and/or post-consumer recycled materials (PIR, PCR). Recycling Content TPEs are consistent with customers' sustainability vision and support customers in achieving their own sustainability targets.

The new high-performance compounds are specially tailored to meet the requirements of different industries and market segments and allow adhesion to PA, PC/ABS or PP. This combination of properties for single, two-component or multicomponent parts combined with high proportions of recycled material of up to 79% is completely new in KRAIBURG TPE's product range.

#### Media Contact

*Europe, Middle East & Africa*  
Juliane Schmidhuber  
PR & Communications Manager  
Phone +49 8638 9810568  
[juliane.schmidhuber@kraiburg-tpe.com](mailto:juliane.schmidhuber@kraiburg-tpe.com)

*Asia Pacific*  
Bridget Ngang  
Marketing Manager Asia Pacific  
Phone: +6039545 6301  
[bridget.ngang@kraiburg-tpe.com](mailto:bridget.ngang@kraiburg-tpe.com)

*Americas*  
Mirna Pina  
Marketing Coordinator  
Phone: +1 470 514- 2458  
[mirna.pina@kraiburg-tpe.com](mailto:mirna.pina@kraiburg-tpe.com)

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An overview of the new thermoplastic elastomers (TPEs):

- **Recycling Content TPE with adhesion to PA** is the first TPE worldwide with a proportion of PCR and PIR materials of 43 to 60% depending on their hardness. It can be used for a large number of applications for two-component parts with adhesion to PA. Different hardnesses ranging from 40 to 90 Shore A are available.
- **Recycling Content TPE with adhesion to PC and ABS** has a proportion of post-industrial and post-consumer recycled materials between 42 and 54% depending on the hardness required. It is suitable for a wide range of multicomponent parts that require adhesion to ABS and PC or other technical thermoplastics. Different hardnesses ranging from 40 to 70 Shore A are available.
- Second-generation **Universal PCR TPE** is available with a proportion of recycled materials of up to 79%. These materials provide a wide variety of possible uses for applications that require adhesion to PP. The materials are available in a wide hardness range from 30 to 90 Shore A and, with their high proportion of sustainable materials, they are a further development of the Universal PCR compounds launched in 2022.

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In addition, the compounds provide reliable quality, are immediately available and can be colored: All new TPEs are available in natural colors and can be colored in many different ways depending on customers' wishes and requirements. This excellent coloring also allows maximum flexibility in design.

The latest recycling solutions with adhesion provide processing companies with comprehensive options to meet industry's and consumers' changing requirements. KRAIBURG TPE's Recycling Content TPEs are intended in particular for product designers, product engineers and product managers in industry market segments that focus on power tools, electrics and electronics (E&E). In the consumer segment, various usage scenarios for household applications as well as sports and leisure applications can be implemented. In general, these applications comprise handles and damping elements.

"With Recycling Content TPEs, we are making a contribution to achieving ambitious sustainability targets for products of high technical quality. Sustainability is a core competency of KRAIBURG TPE and with these new compounds, we are closing recycling loops and acknowledge our responsibility towards the environment and future generations," summarizes Eugen Andert, Project Manager Advance Development at KRAIBURG TPE.

The positioning of the compounds in the market is focusing on sustainability and saving resources. Using these compounds will help customers to effectively reduce the carbon footprint of their final products, while ensuring durable solutions. Due to the chemical structure of the compounds, KRAIBURG TPE stands out from the market and combines performance with the concept of sustainability. **This new product series is available immediately.**

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**Image:** With Recycling Content TPE, KRAIBURG TPE is making a contribution to achieving demanding sustainability targets for technically high-quality products. (Image: KRAIBURG TPE)

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**Image:** Eugen Andert, Project Manager Advance Development at KRAIBURG TPE

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### Information for press representatives



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### About KRAIBURG TPE

KRAIBURG TPE ([www.kraiburg-tpe.com](http://www.kraiburg-tpe.com)) is a global manufacturer of custom-engineered thermoplastic elastomers. Founded in 2001 as an independent division of the KRAIBURG Group, KRAIBURG TPE is competence leader in TPE compounds throughout the industry today. The company aims 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 provides a broad portfolio for applications in the automotive, industrial and consumer market segments as well as for the strictly regulated medical sector. The established THERMOLAST®, COPEC®, HIPEX®, and For Tec E® product lines are processed using injection molding or extrusion and provide manufacturers with numerous processing and product design advantages. KRAIBURG TPE features innovative capabilities, global customer orientation, customized product solutions and reliable service. The company is certified to ISO 50001 at its headquarters in Germany and holds ISO 9001 and ISO 14001 certifications at all global sites.