

## Press Release

**KRAIBURG TPE's Material Solutions Keep Water Safe at the Source**

Kuala Lumpur, December 2025

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KRAIBURG TPE Technology  
(M) Sdn Bhd  
Lot 1839 Jalan KPB 6  
Kawasan Perindustrian Balakong  
43300 Seri Kembangan, Selangor,  
Malaysia

Phone +60 3 9545 6393

Info-asia@kraiburg-tpe.com  
www.kraiburg-tpe.com

### **KRAIBURG TPE's Material Solutions Keep Water Safe at the Source**

Access to safe drinking water is a public health priority, especially as sanitation standards rise and systems grow more complex. For this reason, purifiers and dispensers must keep water clean and potable not just at the source but throughout storage and delivery. Components in contact with water must resist chemical degradation, inhibit microbial growth, and avoid leaching substances that could affect safety or taste.

Thermoplastic elastomers (TPEs) hold up well as a preferred material, with chemical stability and a non-reactive nature that ensure long-term safety.

KRAIBURG TPE, a global manufacturer of thermoplastic elastomer products and custom solutions for various industries, offers TF8ONG-NTRL, a high-performance TPE for drinking water safety. This TPE for faucet seals and gaskets is engineered to meet the strict demands of components in contact with cold or warm water. Likewise, [TPE for water](#) filtration components is gaining traction.

#### **Maintains low odor and flavor, hot or cold**

KRAIBURG TPE's TF8ONG-NTRL is a low-odor and flavor TPE, even under warm water exposure up to 60°C. The TPE for cold and warm water applications is free from plasticizers, phthalates, PVC, and heavy metals. The NSF/ANSI 61-compliant TPE meets Section 4 standards for drinking water system components at both cold (23°C) and [domestic hot water \(60°C\) temperatures](#), and complies with KTW requirements for low odor, flavor, and total organic compounds (TOC) in hot water use.

#### **Offers excellent process and design flexibility**

#### **Media Contact**

Marlen Sittner  
Head of Digital Marketing  
Team Corporate Communications  
Phone: +49 8638 9810-272  
[marlen.sittner@kraiburg-tpe.com](mailto:marlen.sittner@kraiburg-tpe.com)

*Asia Pacific*  
Bridget Ngang  
Marketing Manager Asia Pacific  
Phone: +603 9545 6301  
[bridget.ngang@kraiburg-tpe.com](mailto:bridget.ngang@kraiburg-tpe.com)

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KRAIBURG TPE's TF8ONG-NTRL has a hardness of 80 Shore A and a density of 0.95 g/cm<sup>3</sup>, offering a balance of flexibility and shape retention, which makes it suitable for hoses, dynamic seals, and fluid-transfer components. It features optimized flow properties, clean processing, and strong adhesion to polyolefins, particularly polypropylene (PP), facilitating cost-efficient 2K overmolding designs. The compound is available in natural color and can be processed through injection molding or extrusion.

### **On par with global standards for safety and hygiene**

KRAIBURG TPE's TF8ONG-NTRL conforms to key international drinking water regulations, including EU Regulation 10/2011 and US FDA CFR 21, ensuring low migration and material safety for global [food contact applications](#). As a drinking water-compliant material, TF8ONG-NTRL has common applications including NSF/ANSI 61-certified parts for residential and commercial systems such as flexible pipe fittings, water dispenser and filter housing gaskets, and O-rings for warm water use. Moreover, the compound contains no curing or crosslinking agents and meets the requirements of EU Regulation No. 10/2011 for [food contact plastics](#) and US FDA CFR 21 for raw material quality.

### **Sustainability from the get-go**

At KRAIBURG TPE, [sustainability](#) is at the heart of our innovation. Our portfolio features bio-based TPEs and compounds with post-consumer (PCR) and post-industrial (PIR) recycled content. Selected TPEs carry GRS and ISCC PLUS certifications. We also provide [Product Carbon Footprint \(PCF\)](#) data on request to support sustainability decisions.

We have proudly earned the EcoVadis Gold Medal in 2025 and are committed to the Science Based Targets initiative (SBTi), aligning our goals with global climate action.

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From reducing emissions to increasing circularity, our sustainable TPEs deliver dependable performance and are available worldwide to help meet your applications while advancing your sustainability goals.

**Get in touch today** to explore how KRAIBURG TPE is able to support you on your sustainability and product development journey.

*Disclaimer: The applications mentioned are illustrative of material capabilities only. Final product suitability and regulatory compliance must be assessed and validated by the customer.*



(Photo: © 2025 KRAIBURG TPE)

For high-resolution photography, please contact Bridget Ngang  
([bridget.ngang@kraiburg-tpe.com](mailto:bridget.ngang@kraiburg-tpe.com) , +6 03 9545 6301).

**Information for members of the press:**



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KRAIBURG TPE ([www.kraiburg-tpe.com](http://www.kraiburg-tpe.com)) is a global manufacturer of custom 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 700 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.