

Press Release

How Can Manufacturers Ensure Safe and Durable Drinking Water Hoses? KRAIBURG TPE's THERMOLAST® K Series Delivers Reliable Material Solutions

Kuala Lumpur, August 2026

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Water hose manufacturers and product engineers today face increasing challenges in developing drinking water applications that meet consumer expectations for safety, durability, flexibility, and long-term performance. As regulations become more stringent and users demand cleaner and safer water solutions, selecting the right material has become a critical consideration in hose design and manufacturing. Materials must not only support reliable water conveyance but also provide excellent processing performance, resistance to environmental conditions, and compliance with drinking water safety requirements.

KRAIBURG TPE, a global manufacturer of thermoplastic elastomers and customized solutions for multiple industries, brings the [THERMOLAST® K Series](#) that meets industrial and manufacturing standards for durability, flexibility and safety compliance for drinking water hose applications.

Optimized for robust adhesion and durability

THERMOLAST® K Series offers ease in processing, being suitable for both [injection molding](#) and extrusion processes, enabling efficient production and greater design flexibility for manufacturers. Imbued with excellent mechanical properties, the series features low kinking properties, ensuring consistent water flow and resistance to structural damage. Additionally, the compounds demonstrate excellent adhesion to polypropylene (PP), making it suitable for multi-component applications that require secure and consistent bonding.

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Color and texture versatility

THERMOLAST® K Series is available in translucent grades and can be pre-colored according to customer specifications for functional and aesthetic product requirements. The compounds' soft-touch features open up a range of application possibilities from shower hoses, hoses for household appliances, jet formers, and seals, to various functional and design elements used in the sanitary sector.

How does TPE support safe drinking water applications?

THERMOLAST® K Series complies with international material protocols, including Regulation (EU) No 10/2011, and has achieved WRAS approvals according to BS6920-1:2000 and/or 2014 standards for both cold water (23 °C) and warm water (60 °C) applications. The series has excellent UV, ozone, and weather resistance, and contains no latex, PVC, or plasticizers, phthalates, or heavy metals. This material solution also ensures a surface with low sensitivity to dirt and other contaminants, keeping the product clean and non-tacky during use.

Sustainability from the get-go

At KRAIBURG TPE, [sustainability](#) drives our innovation. Our portfolio includes bio-based TPEs and compounds with post-consumer (PCR) and post-industrial (PIR) recycled content. Selected TPEs are certified under GRS and ISCC PLUS. We also provide Product Carbon Footprint (PCF) data upon request to support sustainability decisions.

We 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 reliable performance and are available worldwide to support your applications while advancing your sustainability goals.

Get in touch today to learn how KRAIBURG TPE can support your sustainability and product development journey.

Discover More with TPE: With increasing focus on hygiene, safety, durability, and sustainable material selection, KRAIBURG TPE's THERMOLAST® K Series continues to support manufacturers in developing innovative, compliant, and high-quality drinking water solutions, such as [smart water dispensers](#) and [smart drinking bottle](#).

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: © 2026 KRAIBURG TPE)

For high-resolution photography, please contact Bridget Ngang
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KRAIBURG TPE (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 718 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

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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.