

Press Release

Safe and clean water with TPE solutions

Kuala Lumpur, October 2022

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Safe and clean water with TPE solutions

For water dispenser applications, global TPE manufacturer of thermoplastic elastomer products and custom solutions for a variety of industries, KRAIBURG TPE, offers its THERMOLAST® K DW/H series of compounds to ensure consistently safe and clean water.

Clean water is an absolute necessity for daily life and survival and there is no doubt that the availability of safe drinking water is a global concern.

Water distribution systems made of contact-safe materials are essential for providing water that is free of toxic substances, chemicals, microplastics, and other contaminants, for drinking, cooking, and general hygiene purposes.

As such, water dispensers play an important role in delivering clean and safe water to homes, offices, and other private and public places because they are portable, simple to install, and require little maintenance.

Advanced materials, such as thermoplastic elastomers (TPEs), are widely used in the manufacture of water dispenser parts and components to ensure that they always dispense clean water.

KRAIBURG TPE, a global TPE manufacturer of thermoplastic elastomer products and custom solutions for a variety of industries, provides high-quality, custom-engineered TPE compounds such as the THERMOLAST® K DW/H series that meets safety criteria and

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has the mechanical properties required for appliances such as water dispensers.

Superior material for water dispenser parts

KRAIBURG TPE's THERMOLAST® K DW/H series is designed for use in products such as flexible tubes for water dispensers, as well as water outlet connectors, such as tubes and hoses, elastomer pipe fittings, couplings, flexible pipe fittings, plumbing manifolds, and other similar applications that come into direct or indirect contact with drinking water.

The DW/H series of compounds feature a low kinking tendency, thus allowing for use on accessories like shower hoses, kitchen hoses, water tap hoses in bathrooms, and related applications.

Tested and approved for safety of use

KRAIBURG TPE's plasticizer-free THERMOLAST® K DW/H series makes it a viable alternative to PVC-P in drinking water applications.

It has also been certified in accordance to DVGW Arbeitsblatt W270, KTW, ACS (DGS/VS4 n° 200/232), WRAS: BS6920-1:2000 and/or 2014 cold water (23°C) & WRAS: BS6920-1:2000 and/or 2014 warm water (60°C).

Additionally, even without the use of biocides, it provides a surface with low sensitivity to dirt and microbial resistance.

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Advantage-driven solution for manufacturers

KRAIBURG TPE's THERMOLAST® K DW/H series of compounds can be processed by injection molding or extrusion and has good adhesion to PP, with hardness ranging from 55 to 85 Shore A, making it an appropriate solution for water drinking applications.

Furthermore, the series is available in translucent color and can be custom-colored with a compliance certificate.

Sustainability successes of our TPE

Besides the water dispenser applications, KRAIBURG TPE's recent sustainability innovations include a specially developed material solution for automotive, consumer and industry applications comprising post-consumer recycled (PCR) and post-industrial recycled (PIR) content.

Are you looking for a sustainable TPE solution? [Talk to us!](#)

Our experts are happy to answer any questions you have, as well as to offer the right solution for your application.

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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 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.