

Press Release

KRAIBURG TPE upgrades water bottle design with advanced food-contact TPEs

Kuala Lumpur, May 2023

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KRAIBURG TPE upgrades water bottle design with advanced food-contact TPEs

KRAIBURG TPE provides a perfect fusion of functionality and aesthetics with its advanced THERMOLAST® K FC/AD/PP series of compounds for water bottle applications.

Drinking fluids before, during and after exercising helps ensure adequate hydration, simply by carrying a water bottle at all times.

Advanced high-performance materials, such as thermoplastic elastomers (TPEs), are widely used in the manufacture of reusable and refillable water bottles. TPEs produce long-lasting, trendy water bottles that are food-contact safe.

KRAIBURG TPE, a leading global manufacturer of TPEs and customized solutions for a wide range of sectors, offers the THERMOLAST® K FC/AD/PP series of compounds which will revolutionize the overall design of water bottles, and benefit both users and manufacturers.

Superior properties for easy processing and versatility

KRAIBURG TPE's THERMOLAST® K FC/AD/PP series stands out for its excellent adhesion to PP and optimized flow properties.

With a hardness range of 30 to 90 Shore A, the compounds are processible by both injection molding and extrusion.

As well, the TPE series allows 3D printing of branding and logos to be featured on water bottles, for manufacturers' marketing and aesthetic purposes.

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Delivering aesthetic features

The mechanical properties of KRAIBURG TPE's THERMOLAST® K FC/AD/PP series provide consumer applications with remarkable features such as good grip and haptics; as well as soft and smooth surfaces.

The series, which is available in natural and translucent colors, meets the demand for customizability in consumer applications, allowing color variations to suit manufacturers' style preferences. In-house pre-coloring is also available.

Safe and clean for food-contact applications

KRAIBURG TPE's THERMOLAST® K FC/AD/PP series of compounds conform with globally recognized safety standards such as (EU) No. 10/2011, GB 4806-2016, (FDA) CFR21, and DIN EN 71-3 regulations for toys, as well as REACH, SVHC, and RoHS.

The compounds contain no animal ingredients, heavy metals, phthalates, bisphenol A, and latex, and are safe for use in food-contact applications.

Sustainability successes of our TPEs

Besides water bottle applications, KRAIBURG TPE's recent sustainability innovations include a specially developed material solution for consumer, consumer electronic, 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 will be happy to answer any questions you have, as well as offer the right solution for your application.

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(Photo: © 2023 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 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.