

Press Release

KRAIBURG TPE Innovation for Seamless Universal Adapter Connectivity

Kuala Lumpur, December 2023

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KRAIBURG TPE Innovation for Seamless Universal Adapter Connectivity

Universal adapters have become indispensable accessories today, allowing users to connect and charge a wide range of devices. From smartphones, tablets to laptops and other **electronic gadgets** <https://www.kraiburg-tpe.com/en/sustainable-innovation-vacuum-accessory-design> - advanced materials play a crucial role in elevating the versatility and high performance of these devices.

KRAIBURG TPE, a global leader in thermoplastic elastomer (TPE) solutions, has once again demonstrated its commitment to innovation by introducing its cutting-edge TPE material in the design of universal adapters. This remarkable development signifies a significant step forward in enhancing connectivity, functionality, and user experience across various industries.

Universal Adapter Enhanced with TPE Material

KRAIBURG TPE is proud to announce its latest **THERMOLAST® K** <https://www.kraiburg-tpe.com/en/thermolast-k> VS/AD/HM series innovation specially tailored to meet the stringent requirements of universal adapter market.

KRAIBURG TPE's material solution has been carefully engineered to meet the rigorous demands of universal adapters, bringing along a multitude of advantages, and making it the ideal choice for creative adapter designs.

Our **cutting-edge TPE material** <https://www.kraiburg-tpe.com/en/industry> boasts a remarkable range of advantages, including exceptional adhesion to various substrates such as PA6, PA12, PC, ABS, PC/ABS, ASA, and SAN. This ensures a secure and durable connection in universal adapters,

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enhancing their reliability. The TPE material also offers a soft, velvety feel for a more comfortable user experience. It exhibits impressive abrasion resistance and scratch resistance, ensuring the longevity of the adapters. Optimized mechanical properties further contribute to the material's durability and performance.

In addition to being resistant to skin oils, sunscreen, or olive oil, our TPE material is also ideal for frequent contact applications. Its halogen content (chlorine + bromine) of less than 900 ppm aligns with environmental and safety standards. The material is processed through injection molding to provide flexibility in design and production. Its natural color allows for versatility in customization.

These material advantages open up a world of possibilities for universal adapters with a wide range of applications, including remote controls, cell phone covers, earphones, tool handles, soft touch surfaces (thumb wheels, push buttons, switches), wearables, and various function and design elements.

Sustainability successes of our TPEs

Besides universal adaptor applications, KRAIBURG TPE's recent sustainability innovations include a series of material solutions specially developed for automotive, consumer, consumer electronics, wearables and industry applications. Comprising up to 48% post-consumer recycled (PCR) and 50% post-industrial recycled (PIR) content, the material complies with multiple global standards such as FDA raw material compliance, RoHS and REACH SVHC requirements. KRAIBURG TPE also provides customers with product carbon footprint values.

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

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



(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.