

Press Release

KRAIBURG TPE: TPE Enhancing Euro Head Cap with Advancing Resilience and Resealing Abilities

Kuala Lumpur, October 2023

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Engineered with precision, Euro Head Caps act as a robust barrier, shielding medicinal contents from potential external contaminants. Their effective self-sealing septum technology, present in both ports, guarantees safety, prevents contamination, leaks, and accidental solution loss. This innovation ensures pharmaceutical reliability by simplifying the opening process, and improving hygiene. Crafted from cutting-edge TPE material, Euro Head Caps enable effortless penetration during usage, marking a seamless convergence of convenience, cost-efficiency, and adherence to the highest medical standards.

KRAIBURG TPE's THERMOLAST® H HC/RS/AP series is the solution for healthcare <https://www.kraiburg-tpe.com/en/medical> and medical resealing applications, <https://www.kraiburg-tpe.com/en/safe-soft-touch-and-ergonomic-tpe-benefit-pipette-manufacturers> exclusively for the Asia Pacific market - underscoring the company's commitment to delivering innovative, reliable, and safe solutions.

KRAIBURG TPE's THERMOLAST® H HC/RS/AP series stands out as a paragon of innovation, setting new standards for reliability and versatility in the field of pharmaceutical closures. Crafted with precision, this series boasts an array of excellent material advantages that redefine the capabilities of IV bottle closures.

The HC/RS/AP series showcases good resilience, ensuring minimal fragment formation upon piercing, making it a trusted and dependable choice for IV bottle closures. It has good adhesion with both PP and PE through multiple injection molding. Its translucent nature allows for pre-coloration to align with project requirements and catering to the diverse needs of customers.

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The THERMOLAST® H HC/RS/AP series is tested in accordance with ISO 10993-5 and GB/T 16886.5 standards, demonstrating excellent stability and compatibility. It also complies with an array of stringent regulations, including US FDA CFR 21, Regulation (EU) No 10/2011, REACH, and RoHS requirements. Notably, its composition is free of animal ingredients, PVC, silicone, and latex, reinforcing its commitment to safety and sustainability. Equally noteworthy is its sterilizability – the series can be autoclaved at 121°C or sterilized by EtO methods, ensuring sterility without compromise.

KRAIBURG TPE's **THERMOLAST® H** <https://www.kraiburg-tpe.com/en/thermolast-h-healthcare-tpe> HC/RS/AP series encapsulates a standard shift in pharmaceutical closure materials. With its excellent blend of resilience, adhesion, regulatory compliance, and sterilization capabilities, this series contribute to the industry by promising safer, and more efficient solutions to the pharmaceutical packaging market.

Sustainability successes of our TPEs

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!](#)

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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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.