

Press Release

KRAIBURG TPE's Innovative TPE Advances Automatic Medication Dispensers

Kuala Lumpur, February 2025

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KRAIBURG TPE's Innovative TPE Advances Automatic Medication Dispensers

Automatic medication dispensers play a critical role in the [medical sector](#), ensuring patients receive their medications at the correct dosages and times. KRAIBURG TPE, a global manufacturer of Thermoplastic Elastomer (TPE) materials, is advancing the automatic medication dispenser industry by providing high-performance TPE solutions that ensure increased reliability, safety, and functionality.

KRAIBURG TPE's [THERMOLAST® H](#) HC/AP series presents cutting-edge TPE solution designed exclusively for the Asia Pacific healthcare and medical device market, reflecting our commitment to excellence in TPE technology.

Key advantages of the THERMOLAST® H HC/AP series include:

- **Adhesion to PP, PE:** The strong adhesion between TPE materials and automatic medication dispenser components improves the device's sealing and durability.
- **Colorable:** Allows color customization in accordance with specifications for enhanced brand awareness and visual identity to minimize confusion and ensuring clear medicine differentiation for increased safety.
- **Free from animal ingredients:** Reduces the risk of allergic reactions and contamination. Also meets strict hygiene standards and ethical requirements to ensure safety and compatibility in medical environments and to enhance user health experience and trust.
- **Optimized Compression Set:** TPE materials' exceptional compression set performance ensures that the device maintains its shape and functionality over long-term use, preventing deformation and damage and ensuring continued reliability.

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- **Sterilizable:** Able to withstand common sterilization methods, including high-pressure steam sterilization (121°C) and ethylene oxide (EtO) gas sterilization to ensure device cleanliness and safety.
- **Regulations:** Satisfies Regulation (EU) No. 10/2011, US FDA CFR 21, China GB 4806-2016, ISO 10993-5 (Cytotoxicity), and GB/T 16886.5 (Cytotoxicity).

Typical Applications:

THERMOLAST® H HC/AP series is highly suitable for functional and design elements, flexible connectors for smart health trackers, seals and gaskets for smart glucose monitors, mouthpieces, [grips](#) for smart thermometers, switches for smart sleep monitors, and mats, providing versatility and adaptability for various healthcare devices.



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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 660 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.