

## Press Release

**KRAIBURG TPE are breaking the mold in Asia-Pacific's innovative medical devices**

Kuala Lumpur, May 2023

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KRAIBURG TPE Technology  
(M) Sdn Bhd  
Lot 1839 Jalan KP6 6  
Kawasan Perindustrian Balakong  
43300 Seri Kembangan, Selangor,  
Malaysia

Phone +60 3 9545 6393

Info-asia@kraiburg-tpe.com  
[www.kraiburg-tpe.com](http://www.kraiburg-tpe.com)

### **KRAIBURG TPE are breaking the mold in Asia-Pacific's innovative medical devices**

To enhance housing and enclosure design and performance for the Asia Pacific medical device market, KRAIBURG TPE offers the THERMOLAST® H HC/AP and HC/AD1/AP series.

Medical device innovation in Asia Pacific continues to improve access to cost-effective, safe medical devices that save patients' lives. Every component of a medical device, including the housing and enclosure, must be designed for efficiency, user confidence, and patient comfort and safety.

To achieve this, medical equipment OEMs rely on advanced materials with exceptional mechanical, physical, and chemical properties, such as thermoplastic elastomers (TPEs). TPEs have been utilized to enhance function, protection, and ergonomics.

KRAIBURG TPE, a leading global manufacturer of thermoplastic elastomers, offers material solutions that satisfy the most exacting development standards for the medical equipment industry. The company also provides custom-engineered TPE solutions for a wide range of consumer product applications. Using TPE series compounds to develop high-performance medical devices guarantees design engineers with greater design flexibility.

#### **THERMOLAST® H series – material solution for Asia-Pacific market**

KRAIBURG TPE offers the THERMOLAST® H TPE series, which is specifically designed for the Asia Pacific healthcare and medical markets. THERMOLAST® H HC/AP and HC/AD1/AP compounds meet a number of international standards, including Cytotoxicity ISO 10993-5, GB/T 16886.5, RoHS, and REACH. They are free of PVC and latex and can be sterilized in an autoclave with EtO at 121°C.

#### **Media Contact**

Marlen Sittner  
Head of Digital Marketing  
Team Corporate Communications  
Phone: +49 8638 9810-272  
[marlen.sittner@kraiburg-tpe.com](mailto:marlen.sittner@kraiburg-tpe.com)

*Asia Pacific*  
Bridget Ngang  
Marketing Manager Asia Pacific  
Phone: +603 9545 6301  
[bridget.ngang@kraiburg-tpe.com](mailto:bridget.ngang@kraiburg-tpe.com)

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The housing and enclosures made with THERMOLAST® H TPE series have soft touch surface characteristics that provide good haptic and usability. THERMOLAST® H TPE series is available in transparent and natural shades for color variation. Precoloring can also be done in-house, depending on customer requirements and specifications.

### **Flexing the right shape with HC/AP series**

The THERMOLAST® H HC/AP series has a good compression set. Through extrusion and injection molding process, manufacturers are able to mold products and components into desired shapes. Additionally, the series adheres well to PP and PE.

### **Good adhesion with polar thermoplastics with HC/AD1/AP series**

The THERMOLAST® H HC/AD1/AP series can be processed using multiple injection molding techniques and has good adhesion with polar thermoplastics like PC, ABS, PC/ABS, ASA, SAN, PET, and PETG.

### **Sustainability successes of our TPE**

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  
([bridget.ngang@kraiburg-tpe.com](mailto:bridget.ngang@kraiburg-tpe.com) , +6 03 9545 6301).

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KRAIBURG TPE ([www.kraiburg-tpe.com](http://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.