

## Press Release

**TPE: the trusted material for medical diagnostic equipment**

**Kuala Lumpur, August 2022**

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### **TPE: the trusted material for medical diagnostic equipment**

KRAIBURG TPE's THERMOLAST® H TPE HC/AP series enhances design and functionality of medical diagnostic equipment.

Medical diagnostic equipment features a variety of diagnostic tools and equipment for accurate testing, tracking, measurements, and evaluations. These include ophthalmoscopes, electrocardiographs, thermometers, digital sphygmomanometers, dopplers, ultrasonography, echocardiography, and other instruments used by clinicians to screen and accurately assess a patient's health.

These devices are commonly used in settings such as home, clinics, and hospitals, as well as hospices. In addition to diagnosing diseases, they can also track therapies and help with the management of common and long-term illnesses.

Continuous advancement of medical technologies is crucial in enhancing the accuracy of diagnosis. Today, medical equipment manufacturers and designers are discovering new ways to improve equipment performance by incorporating medical-grade engineering thermoplastic elastomers (TPE), which are valued for their versatility, durability and safety.

KRAIBURG TPE manufactures custom engineered TPE compounds to meet the most stringent development requirements in the diagnostic medical equipment industry. KRAIBURG TPE's compounds fulfil a wide range of end-use requirements for every specific application.

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### **THERMOLAST® H TPE - safe, quality material**

THERMOLAST® H TPE series compounds from KRAIBURG TPE are free of animal ingredients, PVC, silicone, and latex. It conforms to numerous international standards, including ISO 10993-5, GB/T 16886.5, EU No. 10/2011, GB4806, FDA CFR 21, REACH, and RoHS, as well as biocompatibility testing such as ISO 10993-5 and GB/T 16886.5. Furthermore, it has material advantages such as good compression set, sealing capabilities, good surface haptics, minimal friction, and sterilizability using an autoclave at 121°C and EtO, making it an excellent choice for medical device applications. THERMOLAST® H is available in translucent form, and depending on project requirements, in-house precoloring is also an option.

### **HC/AP series – Design flexibility with excellent haptics**

When processed by multi-component injection molding and extrusion, the THERMOLAST® H HC/AP series provides good bonding with polypropylene (PP) and polyethylene (PE) resins, allowing for versatility in product designs. Additionally, the HC/AP series offers exceptional haptics with a soft touch surface feel. These are ideal for applications such as soft touch handles and buttons, seals and closures of many types of medical diagnostic equipment.

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

Besides the materials for medical diagnostic equipment applications, 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  
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KRAIBURG TPE ([www.kraiburg-tpe.com](http://www.kraiburg-tpe.com)) is a global manufacturer of

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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.