

## Press Release

**KRAIBURG TPE THERMOLAST® H TPE for medical valve applications**

Kuala Lumpur, December 2022

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### **KRAIBURG TPE THERMOLAST® H TPE for medical valve applications.**

Medical valves control or deliver fluids (liquids and gases) and are essential in operating rooms, intensive care units, outpatient facilities, laboratories, and even homecare settings. With advances in patient disease care and management technology, it is difficult to imagine surgical devices, patient monitors, and other critical medical equipment functioning without valves.

Isolation valves, general service valves and other types of valves are some of the examples available in the medical market. These valves are designed to regulate and deliver low volumes of internal fluids.

Thermoplastic elastomers (TPEs) have been a material choice in the design of medical valves due to the flexibility and durable characteristics of the compounds. Medical valves are available in different sizes and shapes and the flexibility of TPEs enable the compounds to fulfill the requirements of medical device manufacturers.

KRAIBURG TPE, a global TPE manufacturer of a diverse range of thermoplastic elastomer products and custom solutions for a variety of industries, offers high-quality custom-engineered compounds for medical valves. TPEs are both safe and cost-effective, so it's no surprise that more manufacturers are using TPE in a variety of applications.

#### **THERMOLAST® H - Exceptional material advantage**

The THERMOLAST® H series from KRAIBURG TPE can be sterilized in an autoclave at 121°C or by EtO. The compounds have excellent thermoplastic processing and flowability. They have good bonding with PP and PE, good chemical resistance, a good compression set, and are free of animal ingredients. THERMOLAST® H is available in translucent and natural form, and depending on project specifications, in-house precoloring is also an option.

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### **HC/AP series – Safety standard compliant solution**

In the medical valve market, KRAIBURG TPE offers the THERMOLAST® H HC/AP series. The series meets global standards for cytotoxicity ISO 10993-5 and GB/T 16886.5. The material also conforms to EU Regulation 10/2011, GB4806, FDA CFR 21, RoHS and REACH.

### **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.



**(Photo: © 2022 KRAIBURG TPE)**

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 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

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in Germany and holds ISO 9001 and ISO 14001 certifications at all its sites worldwide.