

## Press Release

**Mobile technology meets healthcare with TPEs**

**Kuala Lumpur, November 2020**

**Page 1 of 4**

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### **Mobile technology meets healthcare with TPEs.**

**KRAIBURG TPE, a recognized global leader in superior TPE compounds is meeting the material requirements for smart medical devices that are becoming important in today's busy lifestyles.**

Primarily developed for remote primary care with high compliance to treatment management, today's smart medical devices are closing the gap between consumers and healthcare providers. This is evident especially during the recent pandemic where the risk of infection has limited healthcare capacities and facilities and the healthcare personnel's abilities to provide in-person assessments and diagnostics.

Smart medical devices such as mobile EKG monitors, portable gluten testers, health-oriented smart watches, wireless glucometers and wireless blood pressure testers - all provide convenience to busy schedules and alternative health monitoring options. Further devices such as brain sensing headbands, teeth whitening devices, temporal thermometers and fertility tracking bracelets facilitate shorter and fewer hospital visits, while lowering healthcare costs.

The Internet of Things (IoT) makes it possible for the medical devices sector to innovate rapidly. The AI-equipped, IoT-enabled wearable or hand-held devices provide ease of use and mobility, speed, reliability and accuracy of cloud-stored data and patient records for better healthcare management.

Thermoplastic elastomers (TPEs) play a vital role in the smart health and medical devices sector, allowing for ergonomic, economical and functional designs as well as cost competitiveness in the market.

As a global TPE manufacturer of multifold thermoplastic elastomer products and custom solutions for multiple industries, KRAIBURG TPE's custom-engineered THERMOLAST® K and THERMOLAST® M TPE compounds fulfil a diverse range of design specifications for smart health and medical devices.

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**Page 2 of 4**

### **Safe, versatile material solution**

The THERMOLAST® M medical compounds feature excellent resealing properties, compression set characteristic, low friction and high elasticity to meet different requirements for various applications - such as portable urinating devices, syringing caps, syringe seals, etc.

The medical grade THERMOLAST® M TPE are free of animal-based ingredients, latex, PVC, and phthalates, and sterilizable by means of autoclaving beta radiation, gamma radiation or EtO.

It also complies with the VDI guideline 2017 for medical-grade plastics (MGPs), issued by the Association of German Engineers (VDI), and the Reach and RoHS standards.

### **Food-grade, global industry-standard compliant**

THERMOLAST® K complies with the global standards for food-contact safety such as the EU 10/2011, the Food and Drugs Administration (FDA) Code of Federal Regulations (CFR), Title 21, and the EN71/3 European safety standard.

Its general characteristics include high thermal stability, scratch and abrasion resistance, soft touch and silky surface, and many more.

Its diverse coloring options make it suitable for various applications including the grip of a temporal thermometer, headband pad, health-watch band, and other portable and wearable smart devices.

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Page 3 of 4



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For high-resolution photography, please contact Bridget Ngang  
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Kuala Lumpur, November 2020

Page 4 of 4

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### About KRAIBURG TPE

KRAIBURG TPE ([www.kraiburg-tpe.com](http://www.kraiburg-tpe.com)) is a global manufacturer of thermoplastic elastomers. From its beginning in 2001 as a subsidiary of the historical KRAIBURG Group founded in 1947, KRAIBURG TPE has pioneered in TPE compounds, today being the competence leader in this industry. With production sites in Germany, the U.S., and Malaysia, the company offers a broad range of compounds for applications in the automotive, industrial, consumer, and strictly regulated medical sectors. The established THERMOLAST®, COPEC®, HIPEX®, and For Tec E® product lines are processed by injection molding or extrusion and provide numerous processing and product design advantages to manufacturers. KRAIBURG TPE features innovative capabilities as well as true global customer orientation, customized product solutions and reliable service. The company is certified to ISO 50001 at its headquarters in Germany and holds ISO 9001 and ISO 14001 certifications at all global sites. In 2019, KRAIBURG TPE, with 645 employees worldwide, generated sales of 190 million euro.