

Press Release

Empowering Surgical Instruments with Advanced TPE Technology

Kuala Lumpur, July 2024

Page 1 of 3

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Empowering Surgical Instruments with Advanced TPE Technology

Surgical instruments are the backbone of modern medicine, facilitating intricate procedures and ensuring optimal patient outcomes. From scalpels to forceps, these instruments are vital tools for medical professionals worldwide.

Recognizing the importance of functionality, reliability, precision, and safety in surgical settings, KRAIBURG TPE is proud to unveil its latest breakthrough [THERMOLAST® H](#), an innovative material solution tailored to meet the stringent requirements of the [healthcare sector](#).

Key features of THERMOLAST® H

- **Adhesion to PC, ABS, PC/ABS, ASA, SAN, PET, PETG, and PS:** Ensures secure bonding with various instrument components, enhancing durability and performance.
- **Sterilizability:** Suitable for autoclave sterilization, ensuring hygiene and safety in surgical environments.
- **Optimized Mechanical Properties:** Provides durability and resilience for long-term performance.
- **[Soft Touch Surface](#):** Enhances user comfort and grip, facilitating precision during surgical procedures.
- **Regulatory Compliance:** Meets the strict standards of Regulation (EU) No 10/2011, US FDA CFR 21, ISO 10993-5, and GB/T 16886.5 for cytotoxicity, ensuring patient safety.
- **Color Options:** Available in natural color, with colorability options for customization.

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Ideal applications

Press Release

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Kuala Lumpur, July 2024

Page 2 of 3

The THERMOLAST® H series is ideal for functional and design elements, soft-touch grips, switches, mats, seals, valves, flexible connections, and membranes, offering versatility for various surgical instruments.



(Photo: © 2024 KRAIBURG TPE)

For high-resolution photography, please contact Bridget Ngang
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Kuala Lumpur, July 2024

Page 3 of 3



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 tailored 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.