

Press Release

Next-level performance in medical tubing with THERMOLAST® H

Kuala Lumpur, June 2025

Page 1 of 4

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

Phone +60 3 9545 6393

Info-asia@kraiburg-tpe.com
www.kraiburg-tpe.com

Next-level performance in medical tubing with THERMOLAST® H

Advancements in medical technology are setting high standards for medical tubing, requiring greater efficiency, safety, and cost-effectiveness. These drive increased reliance on thermoplastic elastomers (TPEs) for [medical applications](#).

KRAIBURG TPE, a global manufacturer in TPE solutions, introduces the new THERMOLAST® H compounds designed to meet the strict requirements of medical tubing. With flexibility, kink resistance, chemical compatibility, colorability, and other specialized benefits, THERMOLAST® H TPEs deliver a safe, smart, and sustainable material solution for a wide range of medical and healthcare applications. Ideal for the development of next-generation IV lines, external catheters, and customized tubing such as peristaltic, drainage, short-term use feeding tubes, and more.

Clear advantage for vital care

[THERMOLAST® H](#) is available in transparent colors—ideal for medical tubing and devices where visibility enhances safety and precision. It supports accurate treatment delivery, real-time fluid monitoring, and quick blockage detection during critical procedures.

Effortless handling in every procedure

THERMOLAST® H improves the flexibility and control of medical tubing for reliable performance. Its soft-touch feel and excellent kink resistance boost usability and fluid flow, enabling medical professionals work efficiently and accurately in high-pressure settings.

Media Contact

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

Asia Pacific
Bridget Ngang
Marketing Manager Asia Pacific
Phone: +603 9545 6301
bridget.ngang@kraiburg-tpe.com

Press Release

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Kuala Lumpur, June 2025

Page 2 of 4

Durability through sterilization cycles

THERMOLAST® H withstands common sterilization methods, including autoclaving at 121°C and ethylene oxide (EtO) sterilization, maintaining the medical tubing's structural integrity and consistent functionality even after multiple cycles.

Safety-compliant material solution

THERMOLAST® H is free of PVC, silicone, and latex, providing a hypoallergenic option that reduces allergic risks for patients and healthcare workers. It complies with Cytotoxicity ISO 10993-5, GB/T 16886.5 and [medical standards](#), making it a safe choice for medical applications.

Optimized manufacturing for consistent quality

THERMOLAST® H is optimized for extrusion and injection molding, offering manufacturers flexibility to produce high-quality medical tubing. Whether for high-volume production or precision-molded components, it ensures consistent outcomes and cost-effective processes, maintaining top-tier quality.

Learn more about how THERMOLAST® H can enhance your medical products: <https://www.kraiburg-tpe.com/en/medical>

Press Release

Next-level performance in medical tubing with THERMOLAST® H

Kuala Lumpur, June 2025

Page 3 of 4



(Photo: © 2025 KRAIBURG TPE)

For high-resolution photography, please contact Bridget Ngang
(bridget.ngang@kraiburg-tpe.com , +6 03 9545 6301).

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Press Release

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Kuala Lumpur, June 2025

Page 4 of 4

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 sustainable products for customer applications. With more than 698 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.