

Press Release

Reinventing laboratory equipment with TPEs

Kuala Lumpur, January 2022

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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

Reinventing laboratory equipment with TPEs

Most medical decisions are based on laboratory test results, emphasizing the importance of early diagnosis for early prevention and treatment of illnesses. These work of analysis and testing has been aided by a variety of equipment and devices in the clinical laboratory.

Thermoplastic elastomers (TPEs) are increasingly used for the development of safe and efficient laboratory equipment to improve detection, evaluation, and response, either at home or in a clinical setting.

KRAIBURG TPE, the recognized global TPE manufacturer offers its THERMOLAST® H TPE series of compounds for a variety medical and healthcare applications.

The compounds meet the performance and structural criteria for clinical laboratory equipment and components. These include buttons, handles, droppers, valves, pipettes, test tube racks, stoppers, flexible connections, closures and gaskets.

Better structural properties and performance with TPEs

THERMOLAST® H TPE series of compounds exhibit flexibility, durability, and a soft and velvety surface in respective applications. These compounds, available in a variety of pre-coloration options, have a wide processing window and can be processed via injection molding and extrusion.

Furthermore, KRAIBURG TPE is able to customize the compounds to suit the customers' needs to fulfill medical regulations for specific clinical laboratory equipment and applications.

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

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Solutions for versatility and safety

The THERMOLAST® H series of compounds are sterilizable with an autoclave at 121°C and also through the EtO process. It is also free of hazardous substances such as latex, PVC, heavy metals, and phthalates, resulting in high-quality material solutions that meet Cytotoxicity, GB/T 16886.5, ISO10993-5, as well as various global food contact and relevant medical standards.

The series' compounds also meet food-grade standards such as the Commission Regulation (EU) No. 10/2011, the US Food and Drug Administration's Code of Federal Regulations Title 21 (21CFR), and China's GB (GuoBiao) standards.

Additionally, the series of compounds feature excellent properties such as adhesion to PP, soft touch surface, chemical abrasion, compression set and haptics etc., allowing for product design flexibility.



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

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About KRAIBURG TPE

KRAIBURG TPE (www.kraiburg-tpe.com) is a globally operating 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 advantages in processing and product design for 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 2020, KRAIBURG TPE, with over 650 employees worldwide, generated sales of €184 million.