

Press Release

THERMOLAST® H TPE for catheter connector applications

Kuala Lumpur, October 2021

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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

THERMOLAST® H TPE for catheter connector applications

As the number of emergency hospital visits and surgical procedures has increased, so has the demand for catheter connectors. Furthermore, technological progress has resulted in these connectors being used for a number of applications. Catheter connectors are available in a variety of types, including needleless IV catheter connectors, suction catheter connectors, and more.

Compounds for functional performance

Catheter connectors are used to provide access to infusion and aspiration. They are important device auxiliary components for intravenous access and drug administration in order to reduce the risk of most serious consequences and improve patient compliance.

Medical devices like catheter connectors benefit from high-performance materials such as thermoplastic elastomers (TPEs), which guarantee user safety and efficiency.

TPEs are ideal material solutions for the medical industry, mainly because TPEs are halogen and latex-free and are easier to process, in comparison to other materials.

KRAIBURG TPE, a global TPE manufacturer of a wide range of thermoplastic elastomer products and custom solutions for multiple industries, has developed a new line of THERMOLAST® H compounds to meet these requirements.

Bespoke color options and material safety

KRAIBURG TPE's THERMOLAST® H HC/AP series offers a high degree of flexibility and a strong grip, making it ideal for catheter connector applications. Additionally, THERMOLAST® H features wide hardness ranges from 30-90

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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Shore A and optimizable processability. The TPE compounds are translucent and can be colored in a variety of hues to meet customers' specifications.

The TPE compounds are also biocompatible and free of animal components and other potentially dangerous substances. The materials have also been tested for cytotoxicity in compliance with ISO 10993-5 and GB/T 16886.5, as well as other approvals and standards such as China GB 4806 – 2016, US FDA CFR 21, Regulation (EU) No 10/2011, REACH, and RoHS.



(Photo: © 2021 KRAIBURG TPE)

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 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.