

Press Release

Why KRAIBURG TPE's Sustainable TPE Materials are Driving Automotive Manufacturing

Kuala Lumpur, February 2025

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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

Why KRAIBURG TPE's Sustainable TPE Materials are Driving Automotive Manufacturing

The primary reason TPEs are widely used in the automotive industry is their versatility, durability, and sustainability. They are highly flexible, easy to process, and resistant to weathering, UV radiation, and chemical exposure, enhancing the durability of automotive components. TPEs are used in various exterior, interior, and powertrain applications.

TPEs reduce vehicle weight, improve fuel efficiency, and lower greenhouse gas emissions. Their recyclability allows for multiple reprocessing without significant property loss, reducing waste and conserving resources. TPE scrap and end-of-life components from the automotive industry can be recycled and reused, promoting a circular economy.

KRAIBURG TPE is Poised to Play Bigger Role in Sustainability

KRAIBURG TPE, the global manufacturer of Thermoplastic Elastomer (TPE) materials is making a notable contribution to achieving ambitious sustainability targets for high technical quality products via TPEs with recycling content. [Sustainability](#) is a core competency of KRAIBURG TPE, and these new compounds will allow us to close recycling loops so we can fulfill our responsibility towards the environment and our future generations.

Tailored Sustainable TPE Solutions

KRAIBURG TPE also offers tailor-made sustainable solutions to match specific automotive requirements, as customization enables manufacturers to achieve precise performance goals.

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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Their emphasis on quality assurance guarantees that every batch meets stringent industry standards. This commitment enhances product reliability, instilling confidence in automotive components.

[Visit KRAIBURG TPE in CHINAPLAS 2025](#)

Meet us in Hall 17, Booth No: Q71 to explore our innovative and sustainable TPE solutions and connect with industry experts.

Register at <https://forms.office.com/e/dkNkW7mN4a> for your FREE Visitor Pass and booth appointment! Hurry - availability is limited.

Key Properties of Automotive TPEs

KRAIBURG TPE's specially engineered automotive compounds are designed to meet the highest standards for [interior, exterior, and powertrain applications](#). Our materials can be customized to fulfill specific requirements.

- **Low density:** Offers a lightweight structure while ensuring high performance, especially for applications where weight reduction is essential.
- **Weather resistance:** This includes exposure to UV radiation, extreme temperatures, moisture, and pollutants. These enhancements make products more durable, functional, and aesthetically pleasing over time.
- **Adhesion:** Multi-component processing with thermoplastics like PP, PA, PC, ABS, POM, and SAN reduces assembly costs. This is crucial for industries requiring reliable connections between materials for optimal performance.
- **Controlled level of emission and odor, especially for automotive interior:** Ensures passenger comfort while meeting strict air quality and emissions regulations.

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- **High flow properties:** It can be processed more efficiently, leading to faster manufacturing and better production rates. This is helpful for businesses aiming to improve their efficiency.
- **Surface mapping** to help create materials that meet functional needs with good visually appealing finish, crucial for applications where aesthetics matter.
- **Temperature stability up to 100°C:** Thermal performance is crucial for applications with exposure to varying temperatures to ensure reliability and product lifespan extension.
- **Insert molding** provides design and manufacturing flexibility, streamlining production and reducing material waste, making it practical for many industries.
- **Demolding features** are included into designs to facilitate the easy release of finished products from molds to reduce production times and minimizes potential defects - contributing to more efficient manufacturing process.
- **In-process recycling possible:** During production, surplus materials can be reused, promoting sustainability and reducing waste. Our commitment to environmentally responsible practices align with contemporary industry demands for sustainability.



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

Information for members of the press:



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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

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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.