

Press Release

Amplifying car audio performance with TPE compounds

Kuala Lumpur, September 2022

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Amplifying car audio performance with TPE compounds

KRAIBURG TPE, a global TPE manufacturer of a diverse range of thermoplastic elastomer products and custom solutions for a variety of industries, offers THERMOLAST® K GP/FG and AD1/AP series of TPE compounds suitable for automotive interior applications, such as speaker seals and covers.

The global market for in-vehicle technology is expected to grow due to increased demand for robust features in in-car electronics systems. Technological advancements in connected automobile ecosystem, such as audio speaker systems providing entertainment and information to passengers in automobiles, will drive consumers to seek a more valuable, seamless user experience.

Manufacturers have focused on optimizing the performance and design of entertainment systems by applying connected technology and with breakthrough materials such as thermoplastic elastomers (TPE).

GP/FG series – multifaceted solution for vehicle applications

KRAIBURG TPE's THERMOLAST® K GP/FG series of compounds is ideal for providing effective sealing in car interiors and speaker systems.

The series complies with VDA270 (odor), VDA278 (VOC and Fog), and DIN 75201-B (fogging), assisting in meeting tighter air quality regulations in car interiors.

When it comes to design, the GP/FG series delivers extra soft-touch and dry haptic qualities for greater passenger comfort and a luxurious feel.

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Other material advantages include easy coloring, especially for natural color compounds, outstanding mechanical and processing qualities, superb adherence to PP and wide hardness range.

AD1/AP series – material choice for the Asia Pacific market

KRAIBURG TPE's THERMOLAST® K AD1/AP series is best suited for hard-soft composite components with high surface quality requirements.

This series, which meets recognized OEM emission and odor specifications, is ideal for use in automobile carpets, cup holders, and door sills, as well as automotive audio system applications.

This series also reduces rattling and creaking noise when utilized as a damping element.

Furthermore, this series exhibit good adhesion to polar thermoplastics like PC, ABS, and ABS/PC, various hardness, and are available in black and natural color. In addition, color matching service is available for specific OEM color. This series is also UL/HB listed.

The AD1/AP series is aimed primarily for the Asia Pacific vehicle interior and industrial parts markets.

Sustainability successes of our TPE

Besides the materials for car audio system applications, KRAIBURG TPE's recent sustainability innovations include a specially developed material solution for consumer, and industry applications comprising post-consumer recycled (PCR) and post-industrial recycled (PIR) content.

Are you looking for a sustainable TPE solution? [Talk to us!](#)

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Our experts are happy to answer any questions you have, as well as to offer the right solution for your application.



(Photo: © 2022 KRAIBURG TPE)

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

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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 680 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.