

Press Release

KRAIBURG TPE Unveils Innovative TPE Compound Series for Automotive Exterior Applications

Kuala Lumpur, September 2023

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As environmental concerns around the world continue to escalate, automotive manufacturers are increasingly seeking greener solutions to align with sustainability goals. One such solution that has captured the industry's attention is **Sustainable Thermoplastic Elastomer (TPE)**, <https://www.kraiburg-tpe.com/en/sustainability> a prominent choice for automotive exterior applications due to its eco-friendly properties and versatile usage in various exterior components.

KRAIBURG TPE, a global manufacturer in thermoplastic elastomer materials and customized solutions, is pleased to announce the launch of its revolutionary TPE compound series, tailored exclusively for **automotive exterior applications**. <https://www.kraiburg-tpe.com/en/automotive-exterior> This groundbreaking series, known as THERMOLAST® R RC/UV/AP, promises to redefine the automotive industry's commitment to sustainability while maintaining top-notch performance.

THERMOLAST® R RC/UV/AP stands out with its exceptional adhesion to PP, UV resistance. Available in elegant black color, it is the ideal material solution to meet the demanding needs of Asia Pacific's automotive market.

Minimizing Environmental Impact

An essential aspect of this innovative TPE series lies in its commitment to environmental responsibility. By incorporating 15-40% recycled content from post-consumer materials, KRAIBURG TPE has taken a significant step towards minimizing the environmental impact of automotive production. This

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circular economy approach reflects the company's dedication to sustainable practices within the automotive industry.

Material Advantages

With a post-consumer recycled content of 15-40%, our TPE actively contributes to reducing the ecological footprint, embodying sustainability and responsible manufacturing practices. Engineered to withstand challenging outdoor conditions, it boasts exceptional weather resistance, ensuring optimal performance and durability. Its seamless adhesion to PP materials enhances component integration and longevity.

The TPE's low density contributes to lightweight and fuel-efficient vehicle designs, while its impressive temperature stability up to 90°C ensures material integrity under varying weather conditions. With a hardness range from 50 to 90 Shore A, it offers flexibility for diverse exterior applications. Having passed the rigorous Florida test with a 2-year cycle and achieving a $GS \geq 4$ rating, our TPE demonstrates outstanding weatherability and UV resistance. <https://www.kraiburg-tpe.com/en/kraiburg-tpe-adds-functionality-and-design-vehicle-navigation-devices>

Embrace sustainable choices with recycling-specific raw material influences and enhance the aesthetic appeal of your automotive exteriors. Choose our TPE compound series for unparalleled performance, eco-friendliness, and style in automotive applications.

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The versatile attributes of THERMOLAST® R RC/UV/AP make it ideal for various automotive exterior applications, including cowls gaskets, window encapsulations, applications in the new mobility segment, underbody applications, and so forth.

Sustainability successes of our TPEs

KRAIBURG TPE's recent sustainability innovations include a series of material solutions specially developed for automotive, consumer, consumer electronics, wearables and industry applications. Comprising up to 48% post-consumer recycled (PCR) and 50% post-industrial recycled (PIR) content, the material complies with multiple global standards such as FDA raw material compliance, RoHS and REACH SVHC requirements. KRAIBURG TPE also provides customers with product carbon footprint values.

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

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

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For high-resolution photography, please contact Bridget Ngang
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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.