

Press Release

Top 5 Advantages of KRAIBURG TPE's Sustainable Advanced TPEs for Mud Flaps

Kuala Lumpur, May 2025

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As a major contributor to carbon emissions, the automotive sector is actively incorporating sustainable solutions into manufacturing to achieve its sustainability goals. Even small components like mud flaps and splash guards—designed to protect vehicles from debris, mud, and water while minimizing road noise—are becoming part of this shift toward sustainability.

KRAIBURG TPE, a global manufacturer of TPEs and customized solutions for various industries, provides high-quality [sustainable TPE compounds](#) with advanced properties to help manufacturers enhance product sustainability while benefiting from cost-effective solutions for vehicle components such as mud flaps, seals, and gaskets. With its versatility and reliability, TPE is an excellent choice for [automotive applications](#), allowing companies to meet both performance and environmental targets efficiently.

Robust Resistance to Road Contaminants

A mud flap, also known as a mudguard or splash guard, is typically made of rubber, plastic, or metal. KRAIBURG TPE's advanced TPE materials offer properties that ensure these components perform reliably under all driving conditions. They provide resistance to road debris, grime, weather, and UV exposure while maintaining durability, reducing the need for maintenance for vehicle users.

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Efficiency and Durability Every Component

KRAIBURG TPE's sustainable TPEs provide essential material benefits, including low density for lightweight construction and improved efficiency, thermal stability up to 90°C for reliable performance in high-temperature

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conditions, and strong weather resistance. These properties make them well-suited for automotive exterior components, ensuring durability against heat, rain, and temperature fluctuations.

Customizable Colors, Premium Finish

KRAIBURG TPE's sustainable TPEs also focus on aesthetics, offering high surface quality, a non-sticky feel, and a soft-touch finish to help manufacturers create visually appealing yet user-friendly [automotive components](#). With a range of available shades, manufacturers can also opt for precise coloring and pre-coloring customization.

High Quality Solutions with Global Compliance

KRAIBURG TPE is dedicated to delivering high-quality, customizable solutions for a wide range of applications. Its TPEs offer efficient processing in multi-component injection molding and excellent adhesion to materials such as PP, ASA, PC, PC/ABS, and PMMA. These TPEs also provide strong adhesion to EPDM and TPV, further expanding their application potential.

These compounds also comply with multiple global standards, including FDA raw material compliance, RoHS, and REACH SVHC requirements.

In the automotive sector, KRAIBURG TPE's products meet OEM approvals from major manufacturers such as Volkswagen (TL 52622, VW 50123), General Motors (GMW 16233, GMW 15702), Ford (WSS-M2D505, WSS-M2D517), Daimler (DBL 5562, DBL 5422), BMW (GS 93042), and FCA (MS-DC-242).

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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 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.