

Press Release

KRAIBURG TPE's solutions for automotive window encapsulation

Kuala Lumpur, January 2023

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KRAIBURG TPE's solutions for automotive window encapsulation

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 series of TPE compounds for automotive window encapsulation that render surface aesthetics and functional finishing.

Window encapsulation in a vehicle allows a perfect fit of the glazing module on a vehicle's body. It not only is a prevailing solution for *vehicle* fittings and aesthetics, but it is also a functional solution that deters water and dirt from entering a vehicle. As well, window encapsulation provides comfort in a vehicle by reducing noise and improves the aerodynamics of a vehicle, especially for flush design structures of automobiles.

Thermoplastic elastomers (TPEs) are being selected by automotive manufacturers as a replacement for rubber, TPV and PVC in window encapsulation for their cost-effective, lightweight and eco-friendly benefits. For automobile manufacturers and designers, TPEs offer not only a functional design option but also the desired surface aesthetics.

KRAIBURG TPE, a global TPE manufacturer of a diverse range of thermoplastic elastomer products and custom solutions for a variety of industries, offers thermoplastic elastomer solutions that meet all the practical and aesthetic requirements for automotive window encapsulation.

UV/HF/SF series as a high-end TPE option

KRAIBURG TPE's UV/HF/SF series is a material of choice for window encapsulation applications that require long flow paths, UV resistance and high surface quality.

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Other benefits are its good adhesion with PP, allowing for ease of processability, as well good surface.

Furthermore, the series has passed accelerated weathering tests such as Kalahari and Florida and meets OEM requirements, such as BMW GS 93042, Ford WSS-M2D517, GM GMW16233, Mercedes-Benz DBL 5562, PSA B62 0300, Renault 03-10-104, and VW 50123.

Sustainability successes of our TPE

Besides the materials for window encapsulation, 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!](#)

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.