

Press Release

TPEs fuel E-Mobility growth

Kuala Lumpur, August 2021

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TPEs fuel E-Mobility growth

KRAIBURG TPE offers the THERMOLAST® TPE series compounds for E-Mobility applications

The carbon-intensive automotive sector is responsible for about 29% of global carbon emissions; and exhaust emissions account for 65% to 80% of emissions from automobiles. The sector is thus expected to lead in stemming the rising greenhouse gas (GhG) emissions as it reduces its carbon footprint.

With carbon-neutral targets, original-equipment manufacturers (OEMs) and automotive makers are developing and adopting new material solutions to improve the energy efficiency of electrified vehicle. Among the hallmarks of E-Mobility, which covers a range of electrified motor vehicles including cars, drone, bikes, hoverboards, scooters, and others of this type, is the use of renewable energy and making the vehicle light weight for fuel economy. Advanced materials such as thermoplastic elastomers (TPE) compounds enable functional design, aesthetic finishing and lightweight, thus making it a cost-effective material of choice for both the manufacturers and designer for E-Mobility applications.

THERMOLAST®TPEs above the curve in material advantage

KRAIBURG TPE has various TPE series compounds in its portfolio to support OEMs and automotive system suppliers in the E-Mobility sector. Its THERMOLAST® compounds allow good flowability, easy processability, and soft touch feel. Additional properties such as resistance to scratch, abrasion and weathering, flame retardancy, low VOC and odor emission and more ensure durable and high-quality vehicle system and parts applications.

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The THERMOLAST® TPEs exhibit optimal adhesion to plastics such as PA, PP, ASA, PC, PC/ABS, PMMA, PE, PBT, SAN, and more. They can be processed through injection molding and extrusion molding.

Furthermore, the THERMOLAST® compounds range offers flexibility for customers to innovate and develop new designs and functionalities. Property profiles such as texture, adhesion, color, and the like, may be adjusted to fit customers' requirement.

KRAIBURG TPE materials are produced with globally consistent quality standard and excellent expertise in custom-engineered TPE for E-Mobility applications.



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For high-resolution photography, please contact Bridget Ngang
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About KRAIBURG TPE

KRAIBURG TPE (www.kraiburg-tpe.com) is a globally operating manufacturer of Thermoplastic Elastomers. From its beginning in 2001 as a subsidiary of the historical KRAIBURG Group founded in 1947, KRAIBURG TPE has pioneered in TPE compounds, today being the competence leader in this industry. With production sites in Germany, the U.S., and Malaysia, the company offers a broad range of compounds for applications in the automotive, industrial, consumer, and strictly regulated medical sectors.

The established THERMOLAST®, COPEC®, HIPEX®, and For Tec E® product lines are processed by injection molding or extrusion and provide numerous advantages in processing and product design for manufacturers. KRAIBURG TPE features innovative capabilities as well as true global customer orientation, customized product solutions and reliable service.

The company is certified to ISO 50001 at its headquarters in Germany and holds ISO 9001 and ISO 14001 certifications at all global sites. In 2020, KRAIBURG TPE, with over 650 employees worldwide, generated sales of €184 million.