

Press Release

KRAIBURG TPE's Cutting-Edge TPE Solutions for EV Charger Applications

Kuala Lumpur, July 2024

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KRAIBURG TPE's Cutting-Edge TPE Solutions for EV Charger Applications

In the rapidly evolving landscape of electric vehicle (EV) technology, every component plays a crucial role in shaping the future of sustainable transportation. Among these components, the EV charger stands as a vital link between the power grid and electric vehicles. KRAIBURG TPE, a global thermoplastic elastomer (TPE) manufacturer, is at the forefront of EV charger manufacturing with its innovative materials.

EV chargers demand materials that can withstand harsh environmental conditions, provide durability, and ensure safe and reliable performance. KRAIBURG TPE's TPE materials are uniquely positioned to meet these rigorous requirements while offering additional benefits that elevate EV charger design and functionality.

Key Material Advantages for EV Charger

[THERMOLAST® K](#) is an innovative solution tailored to meet the stringent requirements of the EV vehicle sector, particularly for EV charger.

- **Long-Lasting Performance:** The series is engineered to withstand harsh environmental conditions, making it suitable for EV charger.
- **Excellent Adhesion:** This TPE series offers excellent adhesion to polypropylene (PP), enhancing its versatility and broadening its application range in EV charger manufacturing.
- **In-Process Recycling Possible:** During the production process of the TPE, waste can be recycled and reused, thereby cutting down on material waste and costs while conserving resources.
- **Regulatory Compliance:** The series complies with a range of rigorous regulations, including 49 CFR §571.302 (FMVSS 302) for

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flammability, PV 3930 Florida for outdoor weathering, PV 3929 Kalahari for desert conditions, Outdoor Weathering Florida 24-month and Arizona 24-month standards.

- **Pre-coloration:** Allowing for customized colors to meet specific design and branding requirements of the EV vehicle.

The versatility of the THERMOLAST® K series extends to various automotive applications, including [roof racks](#), water deflectors, [cowls gaskets](#), Active Grill Shutter (AGS), air guide elements, A/B/C/D cappings and covers, air intake duct and air filter, door opener, door trims, wheel arch liner and underbody guard.



(Photo: © 2024 KRAIBURG TPE)

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 tailored products for customer applications. With more than 660 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.