

Press Release

How Can Golf Rangefinder Manufacturers Improve Outdoor Durability and Design Performance? KRAIBURG TPE's THERMOLAST® K Series Delivers Reliable Material Solutions

Kuala Lumpur, September 2026

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Golf rangefinders have become essential tools for improving distance measurement accuracy and shot selection on the golf course. However, for OEMs and product designers, developing high-performance outdoor optical devices requires more than precise electronics and advanced functions. Material selection has become a key challenge in ensuring long-term durability, premium product feel, and reliable performance under changing outdoor conditions.

Golf rangefinders are frequently exposed to sunlight, moisture, dust, and temperature fluctuations, requiring materials that can maintain mechanical performance, appearance, and user comfort throughout their service life. At the same time, manufacturers must consider design flexibility, efficient processing, multi-material compatibility, and surface quality to meet evolving consumer expectations.

For these applications, KRAIBURG TPE, a global manufacturer of advanced TPEs and specialized material solutions, offers the [THERMOLAST® K Series](#) with excellent mechanical properties, elasticity, high thermal stability, UV and weather resistance, and reliable adhesion to engineering plastics. The material is suitable for golf rangefinders, other outdoor optical devices, and automotive exterior components.

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How Can Materials Ensure Reliable Performance in Outdoor Conditions?

THERMOLAST® K Series provides excellent UV, ozone, and weather resistance. The material maintains performance, appearance, and durability during long-term outdoor exposure and has been tested to recognized

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automotive weathering standards, including PV 3930 Florida, PV 3929 Kalahari, SAE J1976 Outdoor Weathering, and VW 50123. These tests demonstrate reliable resistance to environmental aging under harsh climatic conditions.

Due to its UV, ozone, and weather resistance, THERMOLAST® K Series is used in automotive exterior components such as roof rim covers, water deflectors, door sills, trunk openers, front triangles, A/B/C/D cappings and covers, rear spoilers, [brake lights](#), and headlights. The material is also suitable for golf rangefinders and other outdoor optical devices that require weather resistance, long service life, and a premium tactile feel.

Durability and flexible design via injection molding

THERMOLAST® K Series is designed for [injection molding processes](#), enabling efficient manufacturing and modern product designs. The material delivers excellent surface mapping, allowing manufacturers to create refined textures and premium surface finishes that enhance product appearance and user comfort. Available in black, it is suitable for outdoor electronic and optical devices that require durability, UV resistance, and visual appeal.

THERMOLAST® K Series also provides strong adhesion to engineering plastics, including PC, ABS, PC/ABS, ASA, SAN, and PMMA, for use in durable multi-component assemblies, ergonomic soft-touch designs, and protective overmolded components commonly used in outdoor applications.

Sustainability from the get-go

At KRAIBURG TPE, [sustainability](#) drives our innovation. Our portfolio includes bio-based TPEs and compounds with post-consumer (PCR) and post-industrial (PIR) recycled content. Selected TPEs are certified under GRS and

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ISCC PLUS. We also provide Product Carbon Footprint (PCF) data upon request to support sustainability decisions.

We proudly earned the EcoVadis Gold Medal in 2025 and are committed to the Science Based Targets initiative (SBTi), aligning our goals with global climate action.

From reducing emissions to increasing circularity, our sustainable TPEs deliver reliable performance and are available worldwide to support your applications while advancing your sustainability goals.

Get in touch today to learn how KRAIBURG TPE can support your sustainability and product development journey.

Discover More with TPE: KRAIBURG TPE's THERMOLAST® K Series helps support the development of next-generation golf rangefinders and outdoor applications such as [drones](#) and [E-bike handles](#) through reliable durability, premium soft-touch surfaces, and long-term outdoor stability.

Disclaimer: The applications mentioned are illustrative of material capabilities only. Final product suitability and regulatory compliance must be assessed and validated by the customer.



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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 718 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

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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.