Press Release

How Can Beauty Device Manufacturers Create More Comfortable, Durable, and Premium Designs? KRAIBURG TPE's THERMOLAST® K Enables Advanced Material Solutions
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The beauty device market is rapidly evolving as consumers increasingly seek products that combine personal care, technology, convenience, and premium user experiences. However, OEMs and product designers face growing challenges in developing beauty devices that are not only visually attractive but also comfortable to use, durable in daily applications, safe for skin contact, and efficient to manufacture. From facial cleansing brushes and skin rejuvenation devices to beauty massagers and connected skincare tools, manufacturers must carefully balance ergonomics, surface quality, material safety, design flexibility, and long-term performance. Material selection has become a critical factor in creating beauty devices that meet consumer expectations for both functionality and aesthetics.

KRAIBURG TPE, a global manufacturer of advanced TPEs and specialized material solutions, introduces the THERMOLAST® K Series for beauty tool applications. The material adds a premium look and feel to grip areas, soft-touch surfaces, buttons, and decorative design elements. Its flexibility and tactile properties make it suitable for beauty devices that are ergonomic, visually appealing, comfortable, and convenient for daily use.

How Can Materials Improve the Durability and Appearance of Beauty Devices?

THERMOLAST® K Series offers excellent abrasion and scratch resistance to maintain the appearance and functionality of beauty devices over time. The material also resists skin oils, sunscreen, and sebum to retain surface cleanliness and prevent degradation and discoloration during repeated use.

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Skin-contact safe TPE material

THERMOLAST® K Series is a skin-contact-safe material that meets UL 94 HB requirements and has been tested according to ISO 10993-10 for skin irritation, making it suitable for beauty device applications. The TPE material contains less than 900 ppm total halogen content (chlorine and bromine), meeting regulatory and sustainability-related requirements.

Reliable adhesion and design flexibility

THERMOLAST® K Series exhibits reliable adhesion to engineering thermoplastics including PA6, PA12, PC, ABS, PC/ABS, ASA, and SAN. This characteristic makes the material suitable for injection overmolding processes, enabling the integration of rigid and soft components such as soft-touch grips and buttons in beauty devices. Produced at KRAIBURG TPE manufacturing sites in Germany, Malaysia, and the United States, THERMOLAST® K Series ensures reliable global supply for beauty device manufacturers serving international markets.

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 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.

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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: As beauty technology continues to evolve, manufacturers require materials that can support innovation without compromising comfort, durability, or design freedom. Whether it's nutrition bottles or lip gloss packaging, KRAIBURG TPE continues to support innovation in modern consumer applications.

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



(Photo: © 2026 KRAIBURG TPE)

For high-resolution photography, please contact Bridget Ngang (bridget.ngang@kraiburg-tpe.com , +6 03 9545 6301).

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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 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

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Germany and holds ISO 9001 and ISO 14001 certifications at all its sites worldwide.