

Press Release

Snooze the Snore with Next-Generation TPE Solutions

Kuala Lumpur, July 2025

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Snooze the Snore with Next-Generation TPE Solutions

Snoring, that noisy, rumbling breathing while you sleep, can signal underlying issues like partial airway obstruction, especially if it's loud or frequent. Fortunately, there are effective ways to manage snoring—from lifestyle changes to innovative medical devices. Mouthguards, nasal dilators, and other oral appliances can help reduce disruptive snoring.

KRAIBURG TPE, a global manufacturer of thermoplastic elastomers (TPEs), offers high-quality, custom-engineered materials for a wide range of consumer, industrial, and regulated product applications. Properties such as durability, chemical resistance, biocompatibility, and more make their TPEs well-suited for anti-snore devices and other medical products.

Safe, medical-grade materials

KRAIBURG TPE's TPE grades meet strict global safety standards for medical technology, including US FDA CFR 21 raw material compliance, EU food-contact regulation No. 10/2011, in vitro cytotoxicity requirements for [medical devices](#) as specified in DIN ISO 10993-5 and GB/T 16886.5 (China), as well as RoHS and REACH regulations. These TPEs are free from animal ingredients, PVC, silicone, and latex, making them suitable for a wide range of medical devices.

Designed for durability, comfort and style

KRAIBURG TPE's compounds offer a soft surface, flexibility, high elasticity, and low friction, ensuring excellent comfort and durability even with extended use of anti-snore devices. Available in translucent and transparent options, these materials can be colored to enhance aesthetics and allow customization to fit specific product requirements.

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Sterilizable for hygienic use

KRAIBURG TPE's [medical material solutions](#) are sterilizable by autoclave at 121°C and ethylene oxide (EtO), which maintain the hygiene and safety of anti-snore devices during regular use. These sterilization methods also maintain material integrity while adhering to high medical standards.

Medical-Grade Solutions for Versatile Health Applications

KRAIBURG TPE compounds provide excellent adhesion to polyolefins such as PP and PE and can be processed via injection molding or extrusion, thus rendering a cost-effective solution for manufacturers. Aside from anti-snoring devices, these medical-grade TPEs are also well-suited for a broad range of health and hygiene applications. Typical uses include functional and design components, seals, flexible connectors, mouthpieces, and closures—where comfort, safety, and reliable performance matter most.

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.

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.

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

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: © 2025 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 sustainable products for customer applications. With more than 700 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.