

## Press Release

### KRAIBURG TPE Boosts Smart Skin Diagnostic Device Probe Protector with Innovative TPE Solutions

Kuala Lumpur, March 2025

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Smart skin diagnostic devices have become increasingly essential in modern skincare, simplifying complex skin evaluation processes to ensure optimal results. With high-resolution sensors and advanced analysis algorithms, these devices are indispensable for beauty and medical professionals worldwide.

To meet the high standards of the skincare industry, KRAIBURG TPE, a global manufacturer of Thermoplastic Elastomer (TPE) materials, has introduced the specially designed [THERMOLAST® H HC/AD1/AP](#) series for [healthcare and medical device applications](#) in the Asia Pacific region. This series is aimed at enhancing the comfort and precision of smart skin diagnostic device probe protectors.

#### Key material advantages of the THERMOLAST® H HC/AD1/AP series include:

- **Adhesion to PC, ABS, PC/ABS, ASA, SAN, PET, PETG, and PS:** TPE can form a uniform, durable seal on probe covers, ensuring tight adhesion with the components of smart skin diagnostic devices to enhance durability and protection.
- **Colorable:** Offers base color choices and personalized designs to meet aesthetic needs while enhancing the device's appeal, user experience, and product recognition.
- **Free from Animal Ingredients:** appeals to socially conscious consumers and meets ethical standards.
- **Optimized Mechanical Properties:** Performs consistently, ensuring reliable device operation, thereby improving long-term stability and reducing maintenance needs.

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- **Soft Touch Surface:** enhances device control, improving operational precision and overall user experience.
- **Sterilizable:** Can be easily cleaned and disinfected to reduce cross-contamination risks and ensuring hygiene safety in cosmetic and medical environments.
- **Regulations:** GB/T 16886.5 (Cytotoxicity), ISO 10993-5 (Cytotoxicity), Regulation (EU) No. 10/2011, US CFR 21 FDA (raw material conformity).

### Ideal Applications

THERMOLAST® H HC/AD1/AP series is highly suitable for functional and design elements, including flexible connectors for microneedling devices, films and seals for skin cleansing devices, [handles](#) for photon rejuvenation devices, switches and cushions for ultrasonic beauty instruments, and valves. It offers versatility and adaptability for a wide range of beauty and medical diagnostic devices.



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For high-resolution photography, please contact Bridget Ngang  
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KRAIBURG TPE ([www.kraiburg-tpe.com](http://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 698 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.