

## Press Release

Gaining a true sense of security with TPEs

Kuala Lumpur, August 2021

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### Gaining a true sense of security with TPEs

**KRAIBURG TPE, a global TPE manufacturer, offers the THERMOLAST® K AD1 and FR2 series of compounds for advanced home security equipment applications.**

Increasing urbanization and technological advancements have driven up the demand for high-technology home security systems. As well, in recent years, with the advent of smart connectivity, internet of things (IOT), automation, and sensors, home security equipment has evolved into more sophisticated home gadgets that can perform various functions and can even be operated remotely using mobile apps.

Evidently, the new generation of home security equipment comes with elevated capabilities to better secure properties and the lives of home residents against security breaches and fire risks, to cite a few common environmental hazards. Nevertheless, safety and ease of use remain vital features for successful adoption of home security equipment.

Thus, choosing only safe, design-flexible and easy to process materials is crucial for manufacturers who are producing home security equipment, to meet the demands of end-users for durable, fire-safe and user-friendly products.

KRAIBURG TPE, a global TPE manufacturer of a wide range of thermoplastic elastomer products and custom solutions for multiple industries, offers high quality and custom-engineered TPE compounds such as the THERMOLAST® K AD1 and FR2 series for home security equipment applications.

### Staying secure and safe with benefits

KRAIBURG TPE's THERMOLAST® K AD1 series features soft-touch surface with non-sticky haptic properties making it suitable for seals, handles, sensors for windows and doors; doorbells, smart locks, and door security products.

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It has excellent adhesion to polar thermoplastics such as ABS, PC and PC/ABS, allowing for easier processability using extrusion and injection molding.

Another advantage is that the compound is available in black color and can be precolored in various color options.

### **Flame-retardant, halogen-free solution**

KRAIBURG TPE's THERMOLAST® K FR2 series of compounds is a flame retardant material solution that enables fire-resistance and self-extinguishing effects in flammable products, such as electrical and electronics appliances, resulting in no burning droplets when burnt to minimize fire risks.

Due to its flame retardancy properties, this TPE compound series is a choice material application for cable holders, fastenings, and grommets for surveillance cameras, home alarm systems, control panels, and battery boxes; and for parts such as seals for plugs, switch boxes, and for in-wall outlets.

Advantages of the THERMOLAST® K FR2 series include its excellent adhesion to PP, allowing for a versatile range of applications.

It is a halogen-free compound according to IEC 61249-2-21 standard; and meets the UL94 V0 standard, which is applicable for 1.5 mm and 3 mm thickness requirement.

Additionally, in-process recycling is possible for these compounds, making the THERMOLAST® K FR2 series a sustainable option.

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### About KRAIBURG TPE

KRAIBURG TPE ([www.kraiburg-tpe.com](http://www.kraiburg-tpe.com)) is a globally operating manufacturer of Thermoplastic Elastomers. From its beginning in 2001 as a subsidiary of the historical KRAIBURG Group founded in 1947, KRAIBURG TPE has pioneered in TPE compounds, today being the competence leader in this industry. With production sites in Germany, the U.S., and Malaysia, the company offers a broad range of compounds for applications in the automotive, industrial, consumer, and strictly regulated medical sectors.

The established THERMOLAST®, COPEC®, HIPEX®, and For Tec E® product lines are processed by injection molding or extrusion and provide numerous advantages in processing and product design for manufacturers. KRAIBURG TPE features innovative capabilities as well as true global customer orientation, customized product solutions and reliable service.

The company is certified to ISO 50001 at its headquarters in Germany and holds ISO 9001 and ISO 14001 certifications at all global sites. In 2020, KRAIBURG TPE, with over 650 employees worldwide, generated sales of €184 million.