

## Press Release

**TPEs make the grade for safe food packaging**

Kuala Lumpur, May 2021

Page 1 of 4

KRAIBURG TPE Technology  
(M) Sdn Bhd  
Lot 1839 Jalan KPB 6  
Kawasan Perindustrian Balakong  
43300 Seri Kembangan, Selangor,  
Malaysia

Phone +60 3 9545 6393

Info-asia@kraiburg-tpe.com  
[www.kraiburg-tpe.com](http://www.kraiburg-tpe.com)

### **TPEs make the grade for safe food packaging**

**KRAIBURG TPE, a global TPE manufacturer of a wide range of thermoplastic elastomer products and custom-engineered TPE solutions offers the THERMOLAST® K FC/CM1 and FC/CS series that meet the safety and design criteria for food packaging and containers.**

Food waste poses a global economic, social and ecological loss. The Food and Agriculture Organization (FAO) reported that the economic impact of food waste is about US\$1 trillion a year and costs the environment US\$700 billion a year.

The good news is food waste can be prevented with the right packaging design. Latest packaging innovations are providing more solutions to food and material safety.

Food-safe thermoplastic elastomers (TPEs) are now widely used in the food packaging industry. They protect the contents from biological and chemical contaminants, as well as prolong shelf-life of food products, and making them safe for consumption.

KRAIBURG TPE, a global TPE manufacturer offers TPE compounds with properties suited for food packaging application. The TPEs comply with international standards such as the EU Directive No. 10/2011, the Food and Drugs Administration (FDA) Code of Federal Regulations (CFR), Title 21, and the China GuoBiao (GB 4806: 2016).

#### **Media Contact**

Marlen Sittner  
Head of Digital Marketing  
Team Corporate Communications  
Phone: +49 8638 9810-272  
[marlen.sittner@kraiburg-tpe.com](mailto:marlen.sittner@kraiburg-tpe.com)

### **TPEs up to par with packaging standards**

KRAIBURG TPE's THERMOLAST® K FC/CM1 and FC/CS series offers a wide hardness range to meet varying requirements for food packaging and food container applications. The TPE series is ideal for rigid and flexible packaging to cater to the different hardness requirements of packaging.

*Asia Pacific*  
Bridget Ngang  
Marketing Manager Asia Pacific  
Phone: +603 9545 6301  
[bridget.ngang@kraiburg-tpe.com](mailto:bridget.ngang@kraiburg-tpe.com)

## Press Release

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Page 2 of 4

Both series are available in a translucent color with various precoloration options for manufacturers and designers to create visually appealing packaging.

Most importantly, the KRAIBURG TPE compounds are halogen-free (according to the IEC 61249-2-21 standard) and adaptable for in-process recycling, enabling manufacturers to maintain a cost-effective production.

### **Low migration potential with FC/CM1 series**

The THERMOLAST® K FC/CM1 series, with its low migration potential, is the material of choice for fatty and oily food contact applications.

This TPE compound has an excellent organoleptic property that helps in maintaining the taste of food and beverages, even when in contact with the containers. With excellent adhesion to PP and soft-touch features, the THERMOLAST® K FC/CM1 series is suitable for squeeze bottles, closures, seals, valves and other food packaging solutions.

### **Soft-touch with FC/CS series**

The THERMOLAST® K FC/CS series' soft touch features also promote safety as well as comfort in handling in food containers. They are applicable for surfaces, closures, valves and seals for sport bottles and portable mugs. The compounds also offer an optimized compression set with excellent adhesion to PP and PE. The FC/CS series has excellent compression set at higher temperatures, which is suitable to be applied on microwavable containers and packaging as well as dishwasher-safe containers.

## Press Release

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Kuala Lumpur, May 2021

Page 3 of 4



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For high-resolution photography, please contact Bridget Ngang

([bridget.ngang@kraiburg-tpe.com](mailto:bridget.ngang@kraiburg-tpe.com) , +6 03 9545 6301).

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## Press Release

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**Page 4 of 4**

### **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.