

## Press Release

**TPE makes a neat solution for cleaning devices**

Kuala Lumpur, December 2021

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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)

### TPE makes a neat solution for cleaning devices

To avoid looking at domestic chores as a chore and doing manual cleaning, using cleaning appliances and tools can help clean more efficiently, thereby halving cleaning time and reducing fatigue from physical over-exertion.

Furthermore, lifestyles have gradually altered, necessitating the usage of cleaning devices that are simple to use, compact and lightweight, as well as energy efficient.

In order to match the theme and color palette of homes, device manufacturers guarantee that their items are visually appealing.

The development of advanced engineering materials like thermoplastic elastomers has enabled this transformation.

KRAIBURG TPE, a global TPE manufacturer of a diverse range of thermoplastic elastomer products and custom solutions for a variety of industries, provides the THERMOLAST® K series that is known for its outstanding surface quality, flowability, and durability for use in cleaning equipment applications.

#### LW/CS/UV series: Lightweight TPE

In KRAIBURG TPE's LW/CS/UV series, the compounds feature a low density of up to 0.7g/cm<sup>3</sup>. With lower weight and increased mobility of cleaning devices, innovation and development of the devices is made flexible.

Besides the significant weight saving, the compounds provide optimized compression set performance, with high temperature stability up to 100°C, making them ideal for seals for housings.

The additional characteristics, like non sticky surface, UV and weathering resistance, make the LW/CS/UV series of compounds a suitable fit for outdoor cleaning devices.

#### 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)

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

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Furthermore, the LW/CS/UV series has good adhesion with PP. Processing of products using the TPE materials is made easy via injection molding and extrusion.

Other possible applications include grommets, window cleaners, pool robot brushes, blower and lawn mower handle or casings, etc.

### **AD/PA/CS series: Sealing performance**

KRAIBURG TPE's AD/PA/CS series adheres well to PA6 and PA6.6, with up to 50% glass fiber content, thus making it applicable for two-component injection molding and allowing for flexibility in production.

Furthermore, the compound series' superior sealing performance makes it suitable for use in the bottom sealing of swimming pool cleaning devices.

The compounds are available in natural color and can be colored in various colors and effects for functional and design aesthetics applications.

Other applications like water tank inlet seals, power switch buttons, water jet cleaning handles and tool handles are all feasible using the AD/PA/CS series of compounds.

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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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### **About KRAIBURG TPE**

KRAIBURG TPE ([www.kraiburg-tpe.com](http://www.kraiburg-tpe.com)) is a global 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 processing and product design advantages to 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 2019, KRAIBURG TPE, with 645 employees worldwide, generated sales of 190 million euro.