

Press Release

KRAIBURG TPE's Materials Elevate Design and Performance of Smart Pet Feeders

Kuala Lumpur, May 2025

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As pet owners embrace smart technology to better care for their companions, there is growing demand for pet feeders that are durable, safe, and user-friendly. With the increasing use of connected devices, features like remote control, scheduling, and portion management are now expected. This growing trend emphasizes the need for innovative feeders that offer both convenience and reliability.

KRAIBURG TPE, a global manufacturer of thermoplastic elastomers, offers advanced thermoplastic elastomer solutions that are able to meet these features by combining superior material performance with sustainable manufacturing advantages—enabling next-generation smart pet feeders that excel in both functionality and design.

Safety meets sustainability with TPE series

KRAIBURG TPE's FC/AD1 series meets strict safety standards for [food-contact applications](#), including Regulation (EU) No 10/2011, US FDA CFR 21, EN71-3, and is halogen-free (according to IEC 61249-2-21).

This ensures that smart pet feeders made from KRAIBURG TPE's material are safe, reliable, and suitable for direct [food contact](#), while also reducing the risk of harmful substances being released. These certifications provide pet owners with confidence in the safety, quality, and [environmental friendly](#) features of their pets' feeding solutions.

Additionally, the FC/AD1 series is [ISCC-PLUS ready](#) (mass balance approach), and promotes sustainability by using renewable resources as well as supports a circular economy for an eco-friendly production.

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The material also supports in-process recycling, making the manufacturing process more sustainable by reducing waste and encouraging the reuse of materials.

TPE material adhesion expands design options

The FC/AD1 series provides excellent adhesion to a wide range of materials, including PC, ABS, PC/ABS, ASA, SAN, PET, and PETG, ensuring versatility in the design and construction of smart pet feeders. This strong adhesion capability allows for seamless integration of various components, enhancing the durability and performance of the feeders.

Additionally, the FC/AD1 series allows smart pet feeders to be customized in a variety of colors, enhancing their aesthetic appeal and enabling them to suit color tones in different home decors. This flexibility provides a more personalized product option for pet owners while also helping brands create unique, recognizable designs that stand out in the market.

Velvety soft-touch TPE enhances pet comfort

The FC/AD1 series provides smart pet feeders with a soft-touch surface and velvety feel, enhancing the tactile experience for pets. This gentle texture ensures the feeders are comfortable on pets' paws and faces, making mealtime more enjoyable for pets.

The smooth surface reduces irritation, encouraging pets to engage with the feeder. Furthermore, the premium material quality adds to the feeder's appeal, inviting regular use of the feeder.

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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 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 Germany and holds ISO 9001 and ISO 14001 certifications at all its sites worldwide.