

Press Release

Seal of comfort and safety with TPEs

Kuala Lumpur, January 2023

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Seal of comfort and safety with TPEs

KRAIBURG TPE, a global TPE manufacturer of a diverse range of thermoplastic elastomer products and custom solutions for a variety of industries, offers the EX and FR2 series of compounds for applications in door and window seals.

Well-sealed doors and windows are important for more than just security. They improve a building's energy efficiency by keeping cool air in and limiting warm air entry during heat waves or draughts in the winter. If a door or window is properly sealed, it can keep out of a building dust, bugs, noise and unwanted substances, making it a clean, safe and comfortable environment.

For both residential and commercial use, door seals such as weather-stripping seals, door bottom seal brushes, and others are available. However, not all sealing materials are created equal.

The use of advanced materials such as thermoplastic elastomers (TPEs) to achieve the best results from good door seals is prevalent in the automotive, building, and construction industries, as well as a variety of other industries that manufacture sealing supplies and other products.

KRAIBURG TPE, a global TPE manufacturer of a diverse range of thermoplastic elastomer products and custom solutions for a variety of industries, provides high-quality and custom-engineered compounds with mechanical and physical properties suitable for door seals and other industrial applications.

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EX series: a solution for indoor applications

KRAIBURG TPE's EX series of compounds is suitable for the application of door seals and benefits manufacturers, not only in terms of cost efficiency, but also in terms of aesthetics, functionality, and design flexibility.

With good adhesion to PP and resistance to acrylic paints, it is developed for extrusion molding process, but can also be processed in injection molding process.

It is halogen-free (according to IEC 61249-2-21) and is alternative material to PVC-P. The series is available in black and natural colors, offers high thermal stability.

Furthermore, the compounds are recyclable within the production process and contain no latex, PVC, phthalates or added heavy metals.

FR2 series: fire-safe solution for door seals

KRAIBURG TPE's FR2 series for door seals fulfils flame retardant (FR) requirements. The compounds promote fire safety by delaying and preventing smoke from entering an area during a fire.

With self-extinguishing properties, the halogen-free (per IEC 61249-2-21) compounds feature a host of fire-safety features.

The FR2 series, which is offered in both natural and black colors, meets requirements such as high LOI, low toxicity, and smoke density in railway applications.

Precoloration options

KRAIBURG TPE offers worldwide consistent color quality standards as well as a variety of precoloration options to its customers all over the world.

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With pre-coloring options available, manufacturers are able to produce a variety of door seals in varying colors to suit the preferences of customers.

Sustainability successes of our TPE

Besides the materials for door seal applications, KRAIBURG TPE's recent sustainability innovations include a specially developed material solution for consumer, and industry applications comprising post-consumer recycled (PCR) and post-industrial recycled (PIR) content.

Are you looking for a sustainable TPE solution? Talk to us!

Our experts are happy to answer any questions you have, as well as to offer the right solution for your application.



(Photo: © 2023 KRAIBURG TPE)

For high-resolution photography, please contact Bridget Ngang
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Information for members of the press:



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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 680 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.