

Press Release

TPEs step up the game in extreme sports equipment

Kuala Lumpur, July 2020

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TPEs step up the game in extreme sports equipment

KRAIBURG TPE, a recognized global leader in high-performance TPE compounds, offers a range of THERMOLAST® K TPE compounds that can be applied in extreme sports equipment.

Extreme sports showcase the limitless reach of the mind and body, and not only appeal to thrill seekers and adventure-driven people, but also regular people who wish to unplug from their daily mundane routines, to explore beyond their comfort zones.

The activities encompassing extreme sports range from cave diving, to jet skiing, surfing, skydiving and boxing, all of which involve a high degree of risk and speed.

The adrenaline rush attained from extreme sports is one reason why participation is growing and has driven demand for highly specialized sports equipment.

With exceptional properties to deliver durability, versatility, ease of coloring and soft-touch feel quality, thermoplastic elastomers (TPEs) are the right fit for improved functionalities and safety of use of sports equipment.

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

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Best fit for sports equipment

KRAIBURG TPE's THERMOLAST® K series is most fitting for sports equipment applications, with the end user benefitting from the specialized fit, feel and look of the end products.

There are selected series in the THERMOLAST® K have low temperature resistance down to -40°C. The compounds have excellent mechanical properties too.

Moreover, the THERMOLAST® K scratch resistance series features water and weather resistant properties, making it suitable for use in sports equipment applied in extreme weather conditions.

The good abrasion properties of the series are important for equipment like snow rockets hand handle and ski stick grips.

Furthermore, the compound's hardness ranges from supersoft (<10 shore A) up to 50 shore D; and it has features of durability and versatility allowing it to be widely used in extreme sports equipment.

The THERMOLAST® K compounds are suitable for use in various parts of sports equipment, such as surfboard pads, mouth guards used for boxing, helmets, knee pads, dampers for ski binding, head lamp seals, goggle strips, etc.

Processing advantages

Apart from its advantageous properties, the THERMOLAST® K series has been optimized for the extrusion process, such as film extrusion. It can also be processed through injection molding, processing a wide range of thermoplastic

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materials such as PP, ABS, PC, PC/ABS, PCT, ASA, SAN, PMMA, PET and others.

The environmentally-friendly series of compounds are free of latex, PVC, phthalates and heavy metals and are recyclable, too.

Overall, product designers will marvel the flexibility and versatility of the compounds that allow for ergonomic and complex designs of sports equipment parts. The consistent colorability add to the enhanced appearance the TPEs provide to end products.



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For high-resolution photography, please contact Bridget Ngang
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About KRAIBURG TPE

KRAIBURG TPE (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.