

Press Release

TPEs make work outs easier and fun

Kuala Lumpur, January 2022

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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

TPEs make work outs easier and fun

Going to the gym is not only a recreational past time for adults but also a path for them to achieve their health and fitness goals. The desire to stay fit and healthy has never been more relevant than now.

In addition, with the latest, innovative gym equipment and cable motion technology, fitness enthusiasts are able to expand their exercise possibilities to build balance, strength and power.

Furthermore, today's gym equipment has evolved and it is no longer bulky but instead compact, to allow for space savings, and far more aesthetic.

To achieve ergonomics and cost effectiveness in gym equipment, manufacturers are turning to TPE compounds.

KRAIBURG TPE, a global TPE manufacturer of a wide range of thermoplastic elastomer products and custom solutions for multiple industries, offers custom-engineered TPE compounds that are durable, flexible, and allow for wear and tear and chemical resistance. Thus, the compounds are suitable for gym equipment applications such treadmills, skipping ropes, weight training deep stations, upright bikes, etc.

VS/AD/HM series: keeping fit with TPEs

KRAIBURG TPE's VS/AD/HM series of compounds can be used in gym equipment applications. The compounds are known for their chemical resistance as well as resistance to abrasion and scratches, which makes the compounds ideal for gym equipment applications where the surface is in constant contact with human sweat and strenuous physical activities.

This series of TPE compounds offers a consistent colourability, allowing for the possibility of more attractive equipment.

Media Contact

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

Asia Pacific
Bridget Ngang
Marketing Manager Asia Pacific
Phone: +603 9545 6301
bridget.ngang@kraiburg-tpe.com

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Also, the TPE compounds render a soft, velvety surface feel to products, making them suitable for handles and grip applications in equipment.

The excellent adhesion property to nylon, PA6 and PA12, as well as other polar thermoplastics like PC, ABS, ASA and SAN, allow for flexibility in product development.

Other possible applications where the VS/AD/HM series can be used include fitness ab wheels, bicycle cushion covers, buttons, etc.

EC series: aesthetic features in gym equipment

KRAIBURG TPE's EC series of compounds is an electric conductivity series with low resistivity, which is a fundamental property of a material that measures how strongly it resists *electric* current.

This holds the EC compounds in good stead for potential applications in gym simulation vests, required for stimulating the muscles, for work-outs and bodybuilding. The use of weight vests as a tool for fitness has increased significantly, especially in the tactical fitness industry, with weighted calisthenics, speed and agility, and other weighted running workouts.

Another attribute of the EC series is that it has a soft, non-sticky haptic surface, which provides comfort to the user when wearing the vest.

Furthermore, it is halogen-free, for safety in applications, and has good adhesion to polypropylene (PP) resin, allowing for a wide variety of applications.

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For high-resolution photography, please contact Bridget Ngang
(bridget.ngang@kraiburg-tpe.com , +6 03 9545 6301).

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About KRAIBURG TPE

KRAIBURG TPE (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

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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.