

Press Release

Garden tools turn over a new leaf with TPEs

Kuala Lumpur, May 2021

Page 1 of 4

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Garden tools turn over a new leaf with TPEs

KRAIBURG TPE, a global TPE manufacturer, offers TPE compounds that provide ergonomic characteristics and functionalities for gardening equipment use in urban spaces.

Vertical gardening is compensating for the shrinking green spaces in urban areas. Not only does it create a natural, low maintenance and space-saving sanctuary, it also brings benefits to the well-being of urban dwellers and at the same time helps in reducing the carbon footprint of buildings and structures.

With dedication and the right gardening tools and equipment, including hand tools and power tools, gardening and horticulture activities in pocket spaces are made easy, yet rewarding.

As in a full garden, working in pocket spaces requires a lot of spade work, too. Thus, garden tools must be comfortable, durable and safe to use. The properties of thermoplastic elastomers (TPEs) deliver these desired ergonomic features and functionalities.

KRAIBURG TPE, a global thermoplastic elastomer (TPE) manufacturer of a wide range of TPE products and custom solutions for multiple industries, offers high quality and custom-engineered compounds with soft touch, hard grip and ergonomic characteristics required for garden equipment.

Ergonomic and soft-touch features for ease of use

Among KRAIBURG TPE's range of products, the THERMOLAST® K TPE series possesses various properties, including soft-touch, smooth texture, durability, color versatility and more.

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Press Release

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Page 2 of 4

Furthermore, the TPE series exhibits abrasion, chemicals and UV resistance, making it suitable for outdoor applications.

The THERMOLAST® K TPE series has excellent processability. Compounds in this series can be processed through injection molding and extrusion, making them easy to manufacture a variety of products.

KRAIBURG TPE's compound colorability makes garden applications like tool handles, seals and body covers more colorful and pleasing to the eye.

Versatility for use in various parts

Meanwhile, KRAIBURG TPE's UV/AD2 series has good adhesion with PC, ABS, PC/ABS, ASA and SAN, allowing for product versatility.

The compound series also feature good surface mapping, making them ideal for applications like handles for hoes, shovels, garden clippers and many other gardening tools.

For gardening equipment covers or bodies, KRAIBURG TPE's UV/FG series is suitable thanks to its weathering resistance.

It has good adhesion with polymers like PP, extending its use to garden equipment such as a hose trolley, watering hose tab, scattering bar, sprinkler and other equipment.

Press Release

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Kuala Lumpur, May 2021

Page 3 of 4



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Press Release

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Kuala Lumpur, May 2021

Page 4 of 4

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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 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.