

Press release

Sustainable and provides plenty of possible applications:

Universal PCR TPE

Waldkraiburg, March 2022

Page 1 of 4

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Sustainable and provides plenty of possible applications: Universal PCR TPE

Universal PCR TPE – a multitaled compound for the plastics industry

The latest solution from KRAIBURG TPE makes a post-consumer recycling proportion of 40% possible. The focus is also on quality and availability. That's what the plastics manufacturer from Waldkraiburg, Germany, is providing with its Universal PCR TPE – a compound with sophisticated mechanics that can be used universally.

The world of plastics is currently experiencing a surge in sustainability values – faster, higher, greener is what the desired material is expected to be. But quality is an issue that must not fall by the wayside. The most sustainable solution is the one that can continue to be used for a long time. That saves time, energy and resources and scores points with consumers. Survey results prove this turnaround in preferences: Companies with a defective sustainability policy are punished, and people adjust their consumption patterns. Sustainability is a purchase criterion. KRAIBURG TPE is supporting customers with this shift in consumption behavior and, with Universal PCR TPE, is providing a multitaled compound that can be used in many different fields of application.

KRAIBURG TPE's latest thermoplastic elastomer (TPE) has been specially developed for consumer and industry applications and contains up to 40% post-consumer recycle (PCR). In accordance with ISO 14021, the manufacturer recycles materials that end consumers from households and industry can no longer use for their intended purpose. With its Universal PCR TPE, the competence leader is supporting customers and end users in implementing their sustainability targets and applications and is presenting a tough plastic that provides plenty of possible applications and is suitable as an alternative for established market solutions.

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Press release

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Page 2 of 4

“The development process focused on KRAIBURG TPE’s desire to offer customers a sophisticated alternative to our most-requested compounds. Universal PCR TPE is our multi-tool in the field of compounds, with a proportion of recycled materials ranging between 13% and 40% that come from households or commercial and industrial waste streams,” says Dr. Jan Bothe, Product Development Scientist at KRAIBURG TPE. “We’ve spent a lot of time on developing a product that can make a real difference. This series enables us to offer customers and prospective clients a useful, high-quality alternative to established products.”

Universal PCR TPE also has strong points in color and mechanics. Designers and developers appreciate the various color and tone options designed to meet people’s needs: Compounds are available in natural color as a basis for customer-specific color solutions as well as in a gray color characteristic for recycled plastics. Another feature worth emphasizing is the compound’s processability, which is in no way inferior to that of standard solutions and sets new standards for PCR compounds. Product managers will benefit from constant and high quality as well as from availability in Europe. When needed, certificates of conformity with REACH and RoHS can be issued on request.

Universal PCR TPE is now available for customers in the EMEA area.

Press release

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Page 3 of 4



Image: The latest solution from KRAIBURG TPE makes a post-consumer recycling proportion of 40% possible. (Image: KRAIBURG TPE)

Press release

Sustainable and provides plenty of possible applications:

Universal PCR TPE

Waldkraiburg, March 2022

Page 4 of 4

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About KRAIBURG TPE

KRAIBURG TPE (www.kraiburg-tpe.com) is a global manufacturer of thermoplastic elastomers. From its very beginnings in 2001 as a subsidiary of the historical KRAIBURG Group founded in 1947, KRAIBURG TPE has played a pioneering role. 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 using injection molding or extrusion and provide numerous processing and product design advantages to manufacturers. KRAIBURG TPE features innovative capabilities as well as a truly 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 2021, KRAIBURG TPE, with over 682 employees worldwide, generated sales amounting to 216 million euros.