

## Press release

**NEXT GENERATION Supersoft TPEs from KRAIBURG TPE**

Waldkraiburg, March 2021

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KRAIBURG TPE presents its NEXT GENERATION Supersoft TPEs

**Relying on experience: Improved materials solutions for extremely soft applications**

**The demand for extremely soft TPEs is constantly increasing. KRAIBURG TPE is introducing a new solution to meet this demand. The enhanced product is a further development of existing supersoft TPEs and has been adapted to new applications and requirements, based on suggestions provided by customers and many years of practical experience. The series is now available worldwide.**

Since the range of applications is steadily increasing, there is a strong demand for very soft, tough and durable materials. From orthopedic appliances and bicycle equipment through to lids for cosmetics – the fields of application are as diverse as the specific requirements for the material itself. To meet the demand for a reliable solution that satisfies the current standards and regulations, a new series of extremely soft TPEs is now available from KRAIBURG TPE. The company believes that the new materials have a great future ahead of them. All three compounds of the NEXT GENERATION Supersoft TPEs are therefore being combined under the new name THERMOLAST® S.

Customer satisfaction is KRAIBURG TPE's top priority. That is why the new generation of supersoft TPEs has been developed on the basis of customer feedback. So the new compounds combine established properties with new practical requirements. The extremely soft TPEs have a pleasant, soft surface similar to human skin. This touch quality is a result of the low hardness range of 30 to 50 Shore 00 or 45 to 70 VLRH (very low rubber hardness). The materials' substantially reduced tendency to oil out, for example, enables high-quality gel pad applications and optimizes ejection of the finished parts during processing.

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Excellent mechanical properties and outstanding compression set at room temperature satisfy users' requirements. The materials can be processed by injection molding and 3D printing, playing to their strengths in both processes. In addition, the compounds have all necessary approvals and meet all necessary standards, so that they can be used immediately. For example, they have been tested in accordance with ISO 10993-10 (skin irritation). The product's good skin compatibility also makes it outstandingly suitable for paramedical applications such as orthopedic appliances that do not necessarily require medical approvals.

- Raw materials conformity to EU 10/2011 and FDA standards
- Conformity to DIN EN 71-3 standards for toys
- REACH and RoHS tested

“Our NEXT GENERATION Supersoft TPEs are an important step: Based on various customer requests, we have incorporated our many years of experience with an established product into further development and we are pleased to present THERMOLAST® S, a range of compounds perfectly tested and equipped for all requirements that supersoft TPEs have to meet”, summarizes Eugen Andert, Product Development Engineer at KRAIBURG TPE.

The three NEXT GENERATION Supersoft TPEs are available in a translucent version as standard, and transparent compounds with hardnesses of up to 25 VLRH can also be supplied. The non-sticky granules can also be individually custom-colored on request.

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**Image:** *NEXT GENERATION Supersoft TPEs are tested and equipped for all requirements that extremely soft TPEs have to meet. (Source: KRAIBURG TPE)*

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### **About KRAIBURG TPE**

KRAIBURG TPE ([www.kraiburg-tpe.com](http://www.kraiburg-tpe.com)) is a global manufacturer of thermoplastic elastomers. From its beginning in 2001 as 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 US, and Malaysia the company offers a broad range of compounds for applications in the automotive, industrial, consumer, and for the 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 2020, KRAIBURG TPE generated sales of 184 million euros with around 650 worldwide employees.