

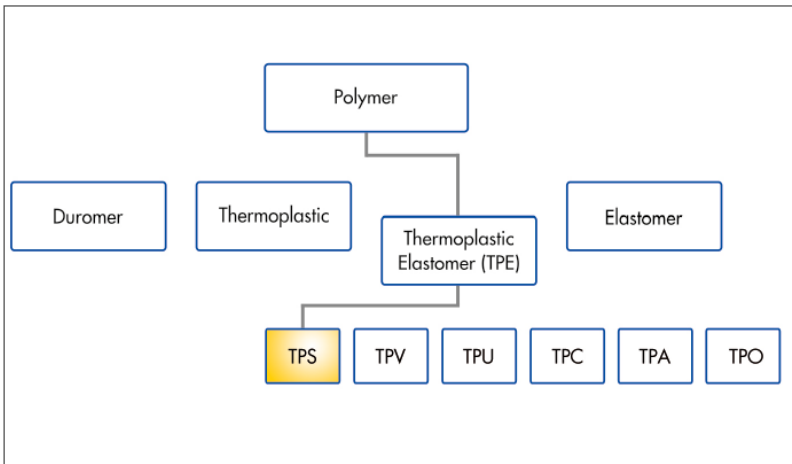
TPE specialities of constant high quality

THERMOLAST® K

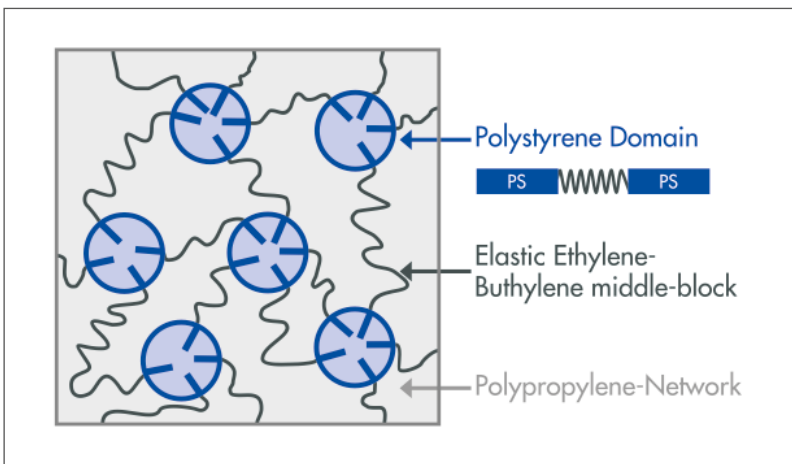


Individual TPE: THERMOLAST® K

THERMOLAST® K are Thermoplastic Elastomer compounds based on thermoplastic Styrene Block Copolymers (TPS), developed and produced by KRAIBURG TPE.



THERMOLAST® K stands for versatile TPE compounds. The middle block between the polystyrene domains makes the TPE a soft, elastic material. This formulation allows use of the Thermoplastic Elastomers in diverse areas of application.



Large range of possible applications

The comprehensive yet highly specialized product portfolio that has been tailored to suit market demands is the result of many years of development and experience. THERMOLAST® K compounds are not only suitable for all processing methods used for conventional plastics, but open up new opportunities when it comes to shape, color and resistance. They further show excellent adhesion to many different components and optimum sealing, vibration damping and anti-slip properties. In addition, THERMOLAST® K compounds cater for attractive designs and good haptic qualities, thus significantly enhancing the value of your end-user products.



Automotive

Car interior
Car exterior
Under the hood/Engine compartment components



Consumer

Sports and leisure equipment, toys, household goods, consumer electronics, packaging, cosmetics, applications with food contact, design products, telecommunication



Industry

Construction material, cables, pipes, mechanical engineering, electrical equipment, electronics, household appliances, tools, drinking water applications, machine tools

We understand your needs

KRAIBURG TPE offers you expert customer support and advice. We therefore put customer service at the heart of all our activities. To measure up to this claim, we have established our own teams of specialists for the various product groups of the THERMOLAST® K range. These globally active teams comprise of experts from our sales, development and application technology departments and ensure that all customer queries are dealt with rapidly and professionally.

Our comprehensive product database contains information on tailor-made as well as established solutions and will assist you in the implementation of your specific ideas. Our specialists working all around the globe will work together with you to develop the best material solution based on your requirements.

New approaches for your success with THERMOLAST® K



THERMOLAST® K has been developed in close cooperation with customers to meet their requirements and offers the basis for new solutions.

Apart from already existing solutions, we develop new applications for innovative ideas and new requirements. We are your competent partner in all matters relating to TPE, offering you optimised material solutions

based on your very own requirements and desires. Please contact us any time for a first meeting to discuss your ideas and needs. If needed, we will meet you at your production site.

KRAIBURG TPE supports its customers worldwide in the development of both products and production methods. In cooperation, we develop and supply custom-engineered TPE compounds that are optimised for your requirements.

Reasons to choose KRAIBURG TPE

As a world-leading producer of TPE compounds, we have been working with manufacturers from a wide range of industries for decades. The large number of well-known products containing KRAIBURG TPE material, plus numerous releases at prestigious OEMs, are testament to our intensive work and the quality of our product ranges.

The key to our success, and the major benefit to our customers, is our concentration on our core competences:

- Close ties to the customer
- Specialization and expertise
- Custom-engineering and innovation
- Global customer management

Quality and sustainability

Quality and sustainability are a few of our highest priorities. In addition to numerous quality assurance and improvement measures, KRAIBURG TPE is certified to ISO 50001 at our headquarters in Germany and holding ISO 9001 and ISO 14001 certifications at all global sites.



As a company we are committed to sustainability and social responsibility. To achieve these, we set measurable goals – such as the reduction of environmental impact, responsible use of resources, an increase in energy-efficient production, close co-operation with environmentally conscious suppliers and the high employee satisfaction.

THERMOLAST® K at a glance

- Supersoft to 66 shore D
- Co-injection molding with a wide range of thermoplastic materials such as PP, ABS, PC, PC/ABS, PBT, PETG, ASA, SAN, PMMA, PET, PA 6/6.6/12, POM, PS, HIPS, etc.
- Versatile internal coloring options
- Translucent as well as transparent properties even for bonding compounds
- Excellent mechanical properties
- Elasticity at low temperatures to -40 °C
- High thermal stability up to 120 °C and higher
- Excellent UV-, ozone and weather resistance
- Approvals based on Kalahari/Florida tests
- Approvals according to RAL GZ 716/1 and CSTB/DER/BV - PEM standard (for window seals)
- Approved for drinking water applications; series with FDA certificates and regulation (EU) No. 10/2011
- Extrusion-optimized materials, also suitable for film extrusion
- No use of latex and PVC
- Free of heavy metals
- Recyclable

Contact

KRAIBURG TPE GmbH & Co. KG

E-Mail info@kraiburg-tpe.com

Web www.kraiburg-tpe.com

The THERMOLAST® K Portfolio

Compound series generally used in the Automotive and Industrial fields.

Series	Description of series
GP/FG	General purpose, Fogging
UV/FG	Applications requiring high UV-resistance, Fogging
UV/HF	Applications requiring high UV-resistance, High Flow
UV/HF/SF	Applications requiring high UV-resistance, High Flow, Superior Surface Finish
UV/LD/b	Applications requiring high UV-resistance,
CS	Applicable for sealings, Excellent compression set
FR	Applications requiring high flame retardant properties
DW	Applications in drinking water systems
DW/CS	Applications in drinking water systems Excellent compression set
EX	Extrusion applications
EX/UV	Extrusion applications requiring high UV-resistance
AD1	Applications with adhesion to polar thermoplastics such as ABS, PC and PC/ABS
AD1/CS	Applications with adhesion to polar thermo- plastics such as PC, ABS and PETG, excellent CS
AD/PA	Applications with adhesion to PA
AD/PA/CS	Applications with adhesion to PA and outstanding compression set
AD/POM	Applications with adhesion to POM

The THERMOLAST® K Portfolio

Compound series generally used in the fields of Consumer. (FDA & Regulation (EU) No 10/2011*)

Series	Description of series
FC	Applications with food contact
FC/ht	Applications with food contact Highly transparent
FC/HE/tl	Applications with food contact Excellent elastic properties, Translucent
FC/S	Applications with food contact Super soft
FC/CS	Applications with food contact Excellent compression set
FC/AD1	Applications with food contact, Adhesion to polar thermoplastics, e.g. PC, ABS and PETG
FC/AD1/ht	Applications with food contact, Adhesion to polar thermoplastics, e.g. PC, ABS and PETG, Highly transparent
FC/AD1/PS	Applications with food contact, Adhesion to polar thermoplastics, e.g. ABS, PC, PC/ABS and PS

* Regulation (EU) No. 10/2011 not for Series FC/AD1/ht and FC/AD1/PS

Contact

KRAIBURG TPE GmbH & Co. KG

E-Mail info@kraiburg-tpe.com

Web www.kraiburg-tpe.com