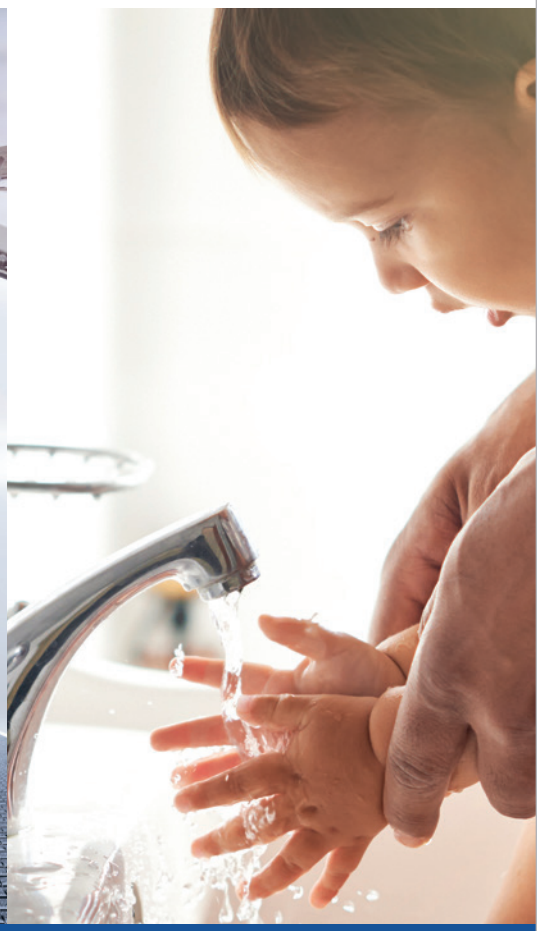
KRAIBURG TPE

CUSTOM-ENGINEERED **TPE** AND MORE



**INDUSTRY**

# SPECIAL QUALITIES ARE OUR STANDARD

# OUR COMPANY

## BENEFITS IN ALL SHAPES AND SIZES

Thermoplastics Elastomers (TPEs) are the materials used to make progress. Compounds from KRAIBURG TPE will open up all sorts of new opportunities in product development and processing making production efficient for you as well.

The solutions provided by KRAIBURG TPE will enable you to meet the highest requirements. Our company not only offers high quality specially custom-engineered products, but also provides a unique level of comprehensive customer service.

The company's motto, "CUSTOM-ENGINEREER TPE AND MORE", is meant to be taken literally. Our goal is to identify with you the challenges you face and support you at all times anywhere in the world.

Regional Headquarters

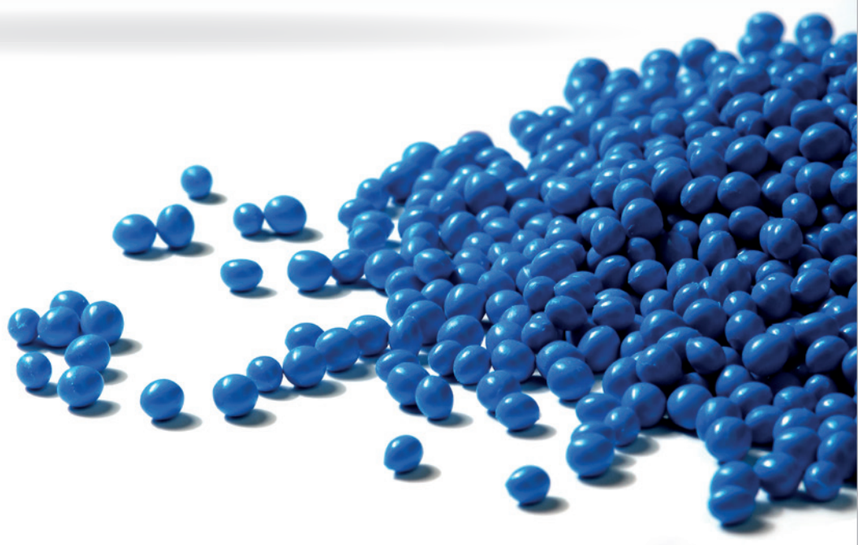
Buford (GA) **USA**

Headquarters

Waldkraiburg **GERMANY**

Regional Headquarters

Kuala Lumpur **MALAYSIA**



# THE MARKET

## GETTING TO GRIPS WITH EVERYTHING

Thermoplastics elastomers (TPEs) are playing an increasingly important role in industrial applications. They improve the functionality of products and give them an appealing appearance. TPEs also provide optimal touch qualities making specific designs possible and increasing the value of the products.

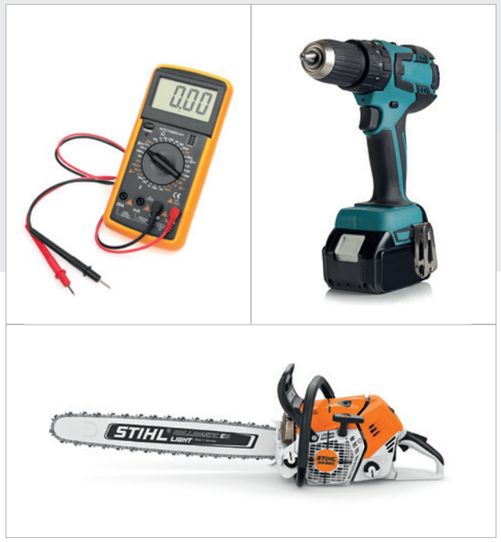
KRAIBURG TPE has developed compounds specifically tailored to industrial applications that are as multifaceted as the industry itself. This is highlighted in diverse segments such as the electronics, building and sanitary sectors.

When functional integration and design require compounds that are optimum for multi-component parts, you can be confident that KRAIBURG TPE materials will be the perfect choice for your product. In addition, our specially developed TPEs are fully compliant with flame retardation and drinking water regulations.

With a low density of up to 0.7 g/cm³, our lightweight TPE ensures weight-reduced components and end products in various market segments.

# APPLICATION AREAS

GETTING THE JOB DONE EVERYWHERE

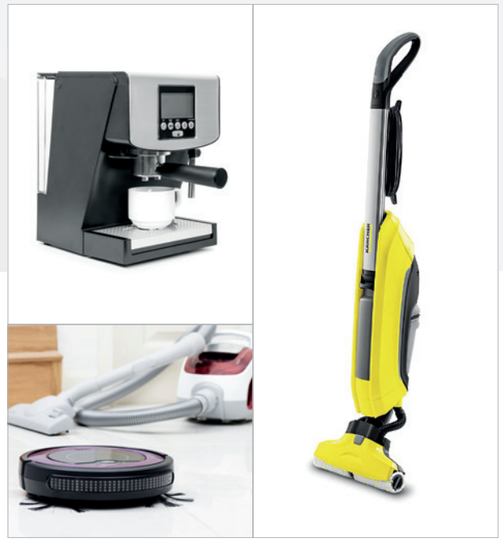



## TOOLS

- Hand tools
- Power tools
- Measuring devices
- Garden equipment

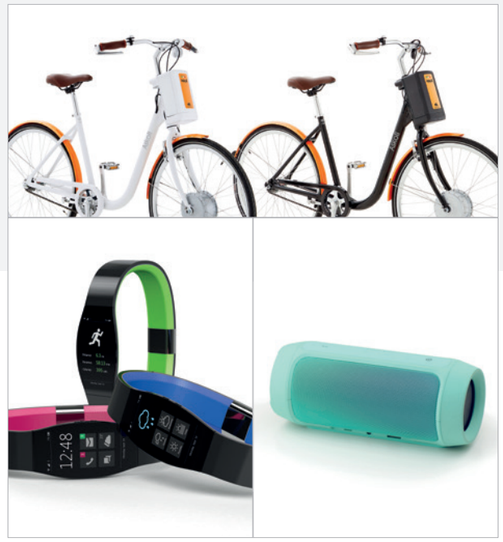
## DRINKING WATER & SANITARY

- Shower heads
- Hoses
- Gaskets
- Sprinkler systems (garden, agriculture)



## HOUSEHOLD APPLIANCES

- Cleaning devices
- Coffee machines
- Mixer
- Vacuum cleaner



## CONSUMER ELECTRONIC

- Wearables & watches
- Home entertainment
- Music- & audio devices
- Navigation devices
- E-Scooter & E-Bikes

# APPLICATION AREAS

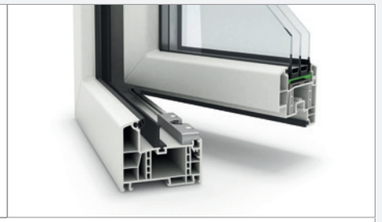
## GETTING THE JOB DONE EVERYWHERE

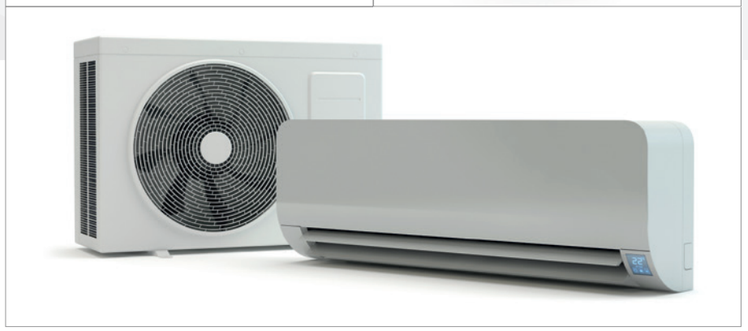
### ELECTRICS & ELECTRONICS

- Grommets
- Plugs
- Battery systems

### WHITE GOODS

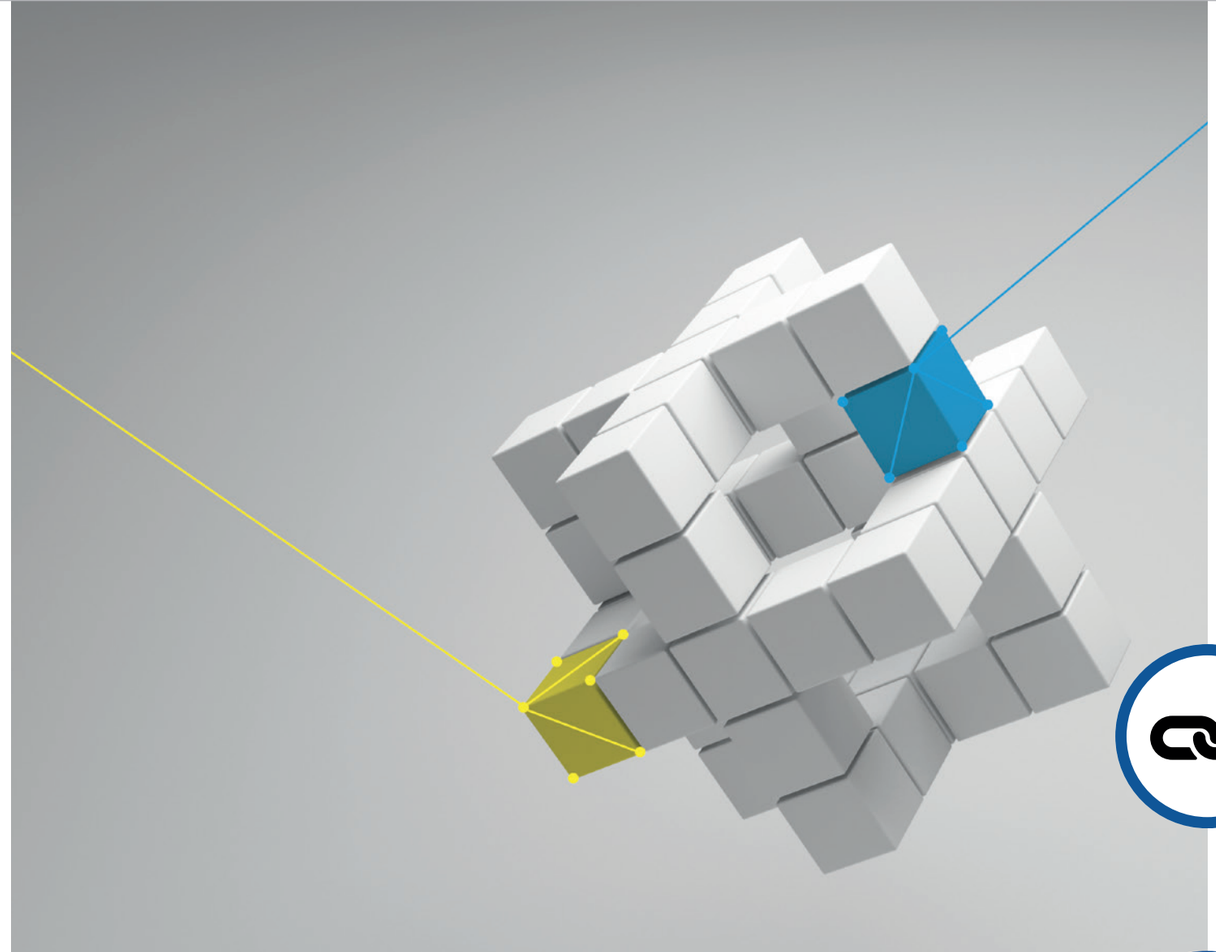
- Dryer
- Refrigerators
- Stoves

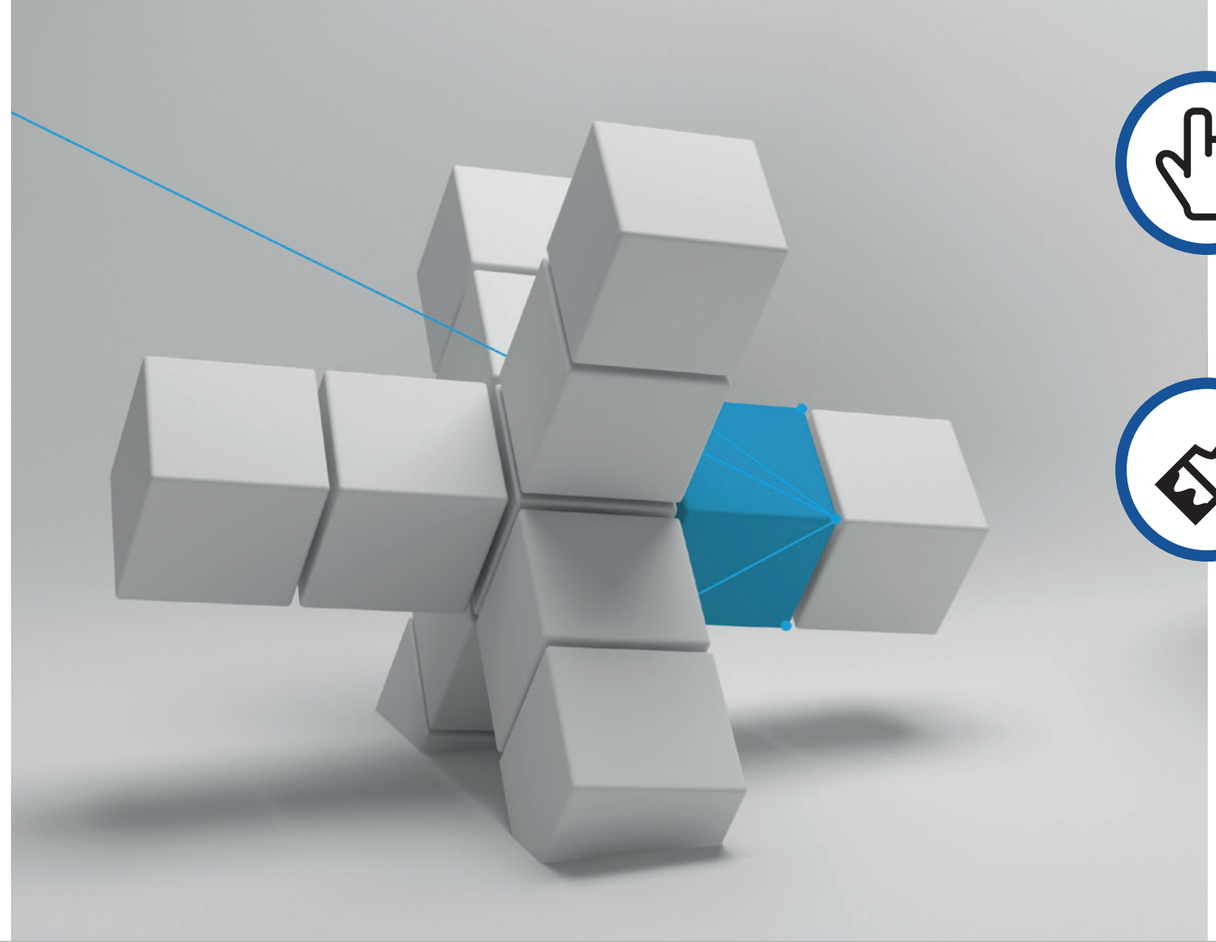




### BUILDING & CONSTRUCTION

- Window and door seals
- Joint tapes
- Air conditioning and heating installation





# MATERIAL PROPERTIES

## STAND ALONE OR IN COMBINATION

### ADHESION

**Made for each other**

Thanks to their optimized adhesion properties, TPEs can be used successfully in multi-material components. Nowadays, they are vital in the manufacturing of household appliances and power tools.

### TACTILE QUALITIES

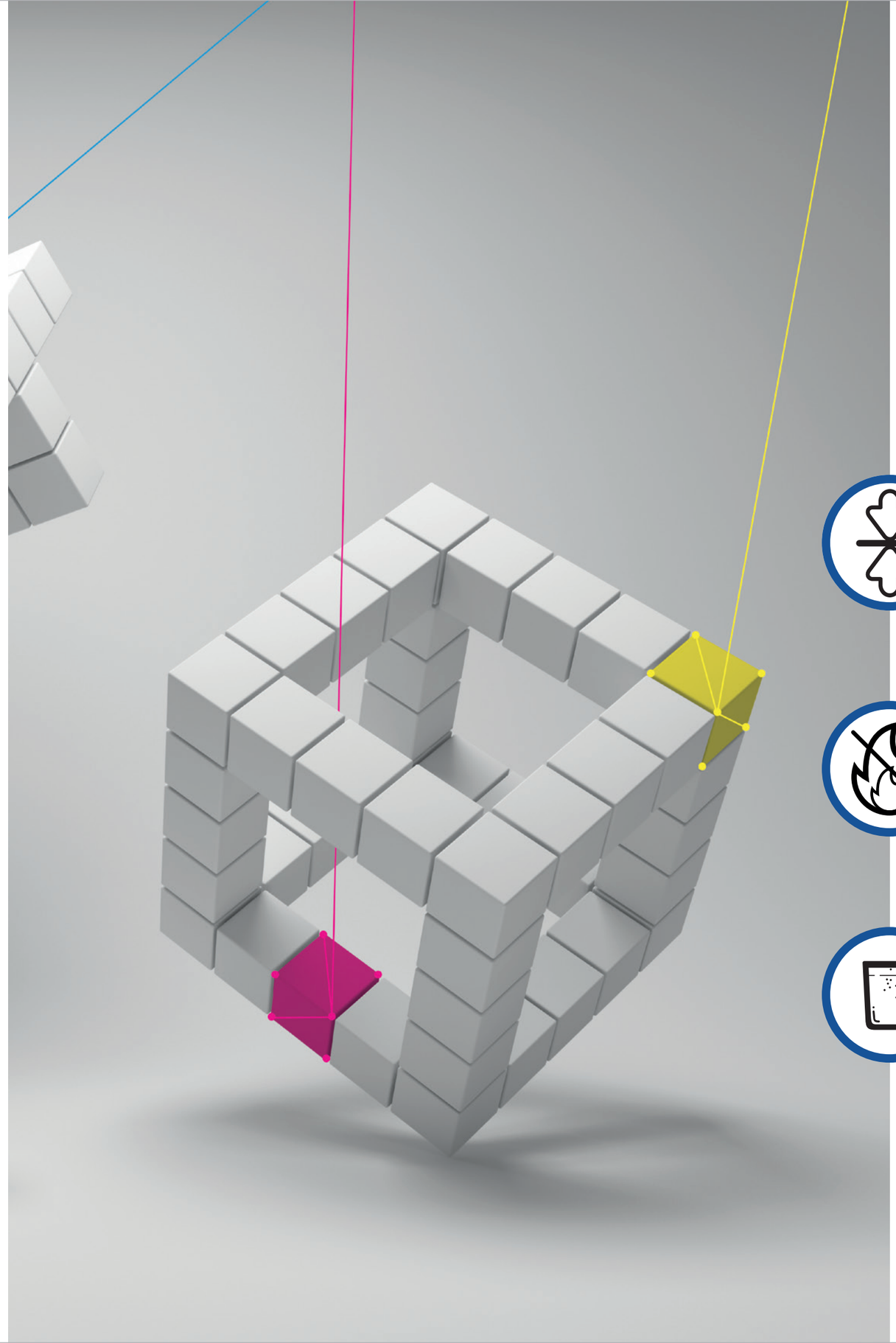
**Feels more than good**

Durability and surface feel are crucial qualities. A high surface quality offers products added value. KRAIBURG TPE can adjust the formulas used in materials to influence the grip and touch qualities. As an example, TPEs are already used in a wide variety of handles.

### COLORING BEHAVIOR

**Setting colorful highlights**

Visual impression counts. An engaging appearance always means added value.
KRAIBURG TPE can match your own individual color to set yourself apart.
Our inhouse coloring team provides the right shade of color for TPE compounds with great precision. All of our colors are high-quality and durable, and you can rely on our global supply security.



# MATERIAL PROPERTIES

## STAND ALONE OR IN COMBINATION

### ELASTIC RECOVERY

**Reliable performance**

Our TPEs offer optimized compression set characteristics – whether it's in delicately shaped seals for hearing aids or in sturdy components for household appliances and power tools. Specially developed compounds help ensure that end products comply with specific standards for watertightness and dustproofness.

### FLAME PROTECTION

**Safety: a hot topic**

Fire protection is a constant topic in electrical and electronic applications of all kinds. KRAIBURG TPE takes environmental and health considerations into account by offering halogen-free fire protection systems solutions according to IEC 61249-2-21.

### DRINKING WATER

**Tested and approved**

Strict regulations require safe and intelligent material solutions. These TPEs have performed well in applications involving direct contact with drinking water such as tubes and fittings. They feature a low kinking tendency and excellent adhesion to PP and PE.

Approvals in accordance with DVGW, W270, KTW, WRAS, ACS.

# CUSTOM-ENGINEERED PROPERTIES

## WHAT ARE YOUR REQUIREMENTS?

The TPE solutions are as multifaceted as the industry itself. Our compounds are stablished atop the industry in different sectors. For us, there is no such thing as a niche market.

Tell us about the challenges you may be facing while implementing your product idea and we will be pleased to help you improve your product's quality and functionality.

Have we left anything out that you need? Then feel free to contact us.

# SERVICE

## GOOD ADVICE IS INCLUDED

Your satisfaction is the standard we set for our work. To ensure the highest level of customer satisfaction, we have developed a quality-assurance approach that covers the products, processes, and people involved. Our laboratories are designed and equipped to follow the latest state of the art technology.

In other words: you can tell us what challenges you are facing and we'll dedicate ourselves to finding the best possible solution. Custom-engineered and extremely high-quality compounds provide the basis for this.

In addition, you'll be able to benefit from our technical expertise, built up over many years of experience. Thanks to personal on-site consulting and unique global customer service, you'll be able to enjoy the maximum support.

# SUSTAINABILITY

## ALWAYS LOOKING TO THE FUTURE

Sustainability isn´t just a buzzword at KRAIBURG TPE, it´s a principle we live by. With us you are choosing a partner who takes on responsibility for the environment and society. Today and tomorrow. For example, we do not use palm oil in the materials we produce.

**Our compounds are PVC-free, halogen-free and recyclable.**

- Certified worldwide in accordance with ISO 14001 and ISO 9001
- Headquarters in Germany certified in accordance with ISO 50001
- EH&S management, reporting & auditing
- Systematic energy management
- Annually renewed environmental protection and occupational safety program
- Selection of raw materials suppliers based on quality and environmental impact

**Europe, Middle East, Africa**

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For contact details of our branch offices and partners, see **www.kraiburg-tpe.com** | Member of the KRAIBURG Holding.

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