



**MEDICAL**



**SAFETY THAT IS  
CERTAIN TO IMPRESS**

# OUR COMPANY

## BENEFITS IN ALL SHAPES AND SIZES

Thermoplastic 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-ENGINEERED TPE AND MORE", is meant to be taken literally. Our goal is to identify the challenges you face with you and support you at all times anywhere in the world.



Regional Headquarters

Buford (GA) USA



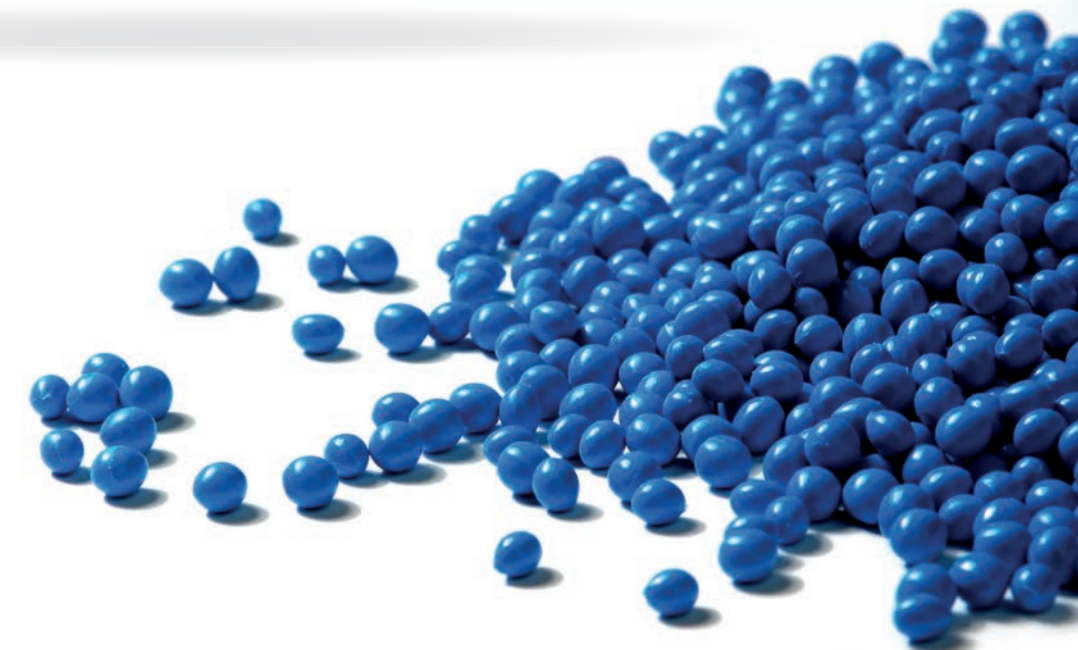
Headquarters

Waldkraiburg GERMANY



Regional Headquarters

Kuala Lumpur MALAYSIA





# THE MARKET

MAKE THE SAFE CHOICE

---

Meeting the highest standards for quality and responsibility is an absolute necessity in the market for medical and pharmaceuticals technology.

That is why KRAIBURG TPE has implemented a quality management system that ensures compliance with the strictest requirements in the development, production, and handling of medical grade plastics (MGP).

The THERMOLAST® M series supplies compounds that have been specially developed for applications in the medical, pharmaceutical and diagnosis sectors. They can even be used in direct contact with body fluids and blood. For the processor and the end customer, the change control management system that we have implemented and are actively putting into practice ensures that vital requirements are met.

# APPLICATION AREAS

GETTING THE JOB DONE EVERYWHERE

---



## MEDICAL ENGINEERING

- Lids/Closures
- Valves
- Dental technology
- Hoses
- Plunger seals
- Needle shields
- Membranes



## DIAGNOSIS

- Seals/Gaskets
- Plugs and septums
- Bellows
- Valves



## PHARMACEUTICAL PACKAGING

- Lids/Closures
  - Springs
  - Valves
  - Seals/Gaskets
  - Plugs and septums
-



# SAFETY AND PURITY

CHOOSE THE PUREST SOLUTION

---

Our compounds exemplify the greatest possible product purity and highest processing safety standards. TPEs from the THERMOLAST® M series are produced exclusively at our headquarters in Waldkraiburg, Germany.

- Free of latex, PVC, phthalates, and heavy metals
- Translucent or transparent
- Sterilizable using common methods
- Free from animal ingredients

**Selected compounds comply with recognized medical standards:**

- » DIN ISO 10993-4 "Haemolysis, indirect blood contact"
- » DIN ISO 10993-5 "Cytotoxicity"
- » DIN ISO 10993-10 "Intracutaneous irritation"
- » DIN ISO 10993-11 "Acute system toxicity"
- » USP Class VI Extraction tests
- » VDI 2017 Medical Grade Plastics

We will be happy to advise you right from the start of your project to ensure the greatest possible safety.



# DURABILITY AND FLEXIBILITY

THE TINIEST DETAILS COUNT

---

In addition to the purity of the raw materials used, THERMOLAST® M compounds also stand out through their performance characteristics:

- Durability and flexibility
- Excellent resealing properties
- Injection molding and extruding possible
- Adhesion to polyolefins and technical thermoplastics such as ABS/PC/PA by means of multi-component injection molding
- Low-friction and highly elastic
- Excellent compression set characteristics
- High transparency und pre-coloring options

We also take customer-specific materials requests to provide solutions that guarantee constant and unvarying quality. In addition, our compounds offer optimum soft-touch features.



# ADVICE AND SUPPORT

GETTING IT ALL GOING

Quality, safety, and reliability are an absolute must in medical technology. We make sure these requirements are delivered by providing continuous and individualized customer care through a unique service package.

As we specialize in high-quality TPS, you can be sure of receiving material purity and expert advice at the highest level.

**Your needs are our focus:**

- Constant manufacturing process recorded in the drug master file
- 24-month availability guarantee (Change Control Procedure)
- Purity of the raw materials through commitment by suppliers
- Separate, permanently assigned production units for THERMOLAST® M



# SUSTAINABILITY

ALWAYS LOOKING TO THE FUTURE

---

Sustainability is not just a buzzword at KRAIBURG TPE, it is 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**

KRAIBURG TPE GmbH & Co. KG  
Friedrich-Schmidt-Str. 2  
84478 Waldkraiburg, Germany

Tel.: +49 8638 98100  
info@kraiburg-tpe.com

### **Asia Pacific**

KRAIBURG TPE Technology (M) SDN.BHD.  
Lot 1839 Jalan KP6 6  
Kawasan Perindustrian Balakong  
43300 Seri Kembangan, Selangor, Malaysia

Tel.: +60 3 9545 6393  
info-asia@kraiburg-tpe.com

### **Americas**

KRAIBURG TPE Corporation  
4365 Hamilton Mill Road  
Buford, GA 30518, USA

Tel.: +1 678 584-5020  
info-america@kraiburg-tpe.com