

# CONSUMER



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# TPE: ENDLESS APPLICATION POSSIBILITIES

To stay competitive in business, manufacturers and business owners must use technology advances to help them stay ahead. In recent years, the use of thermoplastic elastomers (TPEs) has seen significant increases, helping businesses explore endless product application possibilities, innovate and remain competitive.

Thermoplastic elastomers (TPEs) are as elastic as rubber and as processable as plastics. That's why today's product developers and designers choose to work with TPEs because of its extraordinary mechanical properties with high degree of transparency and colorability.

Whether for automotive, consumer and personal care, medical, industry and more – you will be able to add value to your products through our diverse and customizable line of TPE compounds. At KRAIBURG TPE, we offer you endless application possibilities with the functionality, flexibility and superiority of premium quality TPEs.



A photograph of a woman with dark hair, wearing a red top, smiling broadly as she looks at a laptop screen. The image is partially obscured by a green gradient overlay on the left side, which contains the text.

# INSPIRING CONSUMER & PERSONAL CARE

KRAIBURG TPE has been pioneering in the evolution of consumer and personal care products by staying ahead of the industry's fast changing trends. KRAIBURG TPE compounds provide excellent aesthetic, functional and safety values together with overall look and feel.

Our premium quality TPE compounds are approved for pharmaceutical applications, making them a preferred material for the consumer and personal care sector.

Our TPEs can be easily dyed, conform to FDA requirements and offer excellent flow properties. For TPEs aimed at the consumer goods market, we use exclusively pure medical white oils. Our compounds are also stringently tested against skin and mucous-membrane irritation for specific applications such as baby bottle teats, soothers, and food container seals.











## THERMOLAST® K

### Series FC/AD1

The FC/AD1 Series is your material solution for applications with food contact providing excellent adhesion to polar thermoplastics such as PC, ABS and PETG.

Compound Name	Hardness	Color	Adhesion
• TFXFMS	34-87 Shore A	Natural	PC   ABS   PETG
Typical Applications			
<ul style="list-style-type: none"><li>• Function and design elements</li><li>• Grip applications</li><li>• Household articles</li><li>• Packaging (for food and care products)</li><li>• Razors</li><li>• Seals</li><li>• Toothbrushes</li><li>• Toys</li></ul>			
Material Advantages			
<ul style="list-style-type: none"><li>• Applications with food contact</li><li>• Easy colorability</li><li>• EN71/3</li><li>• Excellent adhesion</li><li>• Excellent processing behavior</li><li>• Code of Federal Regulations, Title 21 (CFR21) "FDA"</li><li>• Halogen-free</li><li>• Regulation (EU) 10/2011</li></ul>			

## THERMOLAST® K

### Series FC/AD1/ht

The FC/AD1/ht Series is your highly transparent material solution for applications with food contact. The series features include an excellent adhesion to polar thermoplastics such as PC, ABS and PETG.

Compound Name	Hardness	Color	Adhesion
• TFXTAA	47-77 Shore A	Transparent	PC   ABS   PETG
Typical Applications			
<ul style="list-style-type: none"><li>• Function and design elements</li><li>• Grip applications</li><li>• Household articles</li><li>• Packaging (for food and care products)</li><li>• Razors</li><li>• Seals</li><li>• Toothbrushes</li><li>• Toys</li></ul>			
Material Advantages			
<ul style="list-style-type: none"><li>• Applications with food contact</li><li>• EN71/3</li><li>• Excellent adhesion</li><li>• Excellent mechanical properties</li><li>• Excellent transparency</li><li>• Code of Federal Regulations, Title 21 (CFR21) "FDA"</li><li>• Halogen-free</li><li>• Low density</li><li>• Various color options and effects available</li></ul>			



Series  
**FC/AD1/PS**

The FC/AD1/PS Series is your material solution for applications with food contact providing excellent adhesion to polar thermoplastics such as ABS, PC, PC/ABS and PS.

Compound Name	Hardness	Color	Adhesion
• TFXADN	28-89 Shore A	Natural	PC   ABS   PC/ABS   PS
Typical Applications			
<ul style="list-style-type: none"> <li>• Function and design elements</li> <li>• Grip applications</li> <li>• Household articles</li> <li>• Razors</li> <li>• Toothbrushes</li> <li>• Toys</li> </ul>			
Material Advantages			
<ul style="list-style-type: none"> <li>• Easy colorability</li> <li>• Easy processing</li> <li>• Excellent adhesion</li> <li>• Code of Federal Regulations, Title 21 (CFR21) "FDA"</li> <li>• Pleasant surface feel (Soft touch)</li> <li>• Regulation (EU) 10/2011</li> </ul>			

**THERMOLAST® K**

Series  
**FC/AD/PE**

The FC/AD/PE Series is your material solution for applications with food contact providing excellent adhesion to LDPE, LLDPE and HDPE.

Compound Name	Hardness	Color	Adhesion
• TFXPEN	47-77 Shore A	Natural	LDPE   LLDPE   HDPE
Typical Applications			
<ul style="list-style-type: none"> <li>• Grip applications</li> <li>• Household articles</li> <li>• Toothbrushes</li> </ul>			
Material Advantages			
<ul style="list-style-type: none"> <li>• Adhesion to LDPE, LLDPE &amp; HDPE</li> <li>• Easy colorability</li> <li>• Halogen-free</li> <li>• Pleasant surface feel (Soft touch)</li> <li>• Recyclable</li> </ul>			

# THERMOLAST® K

## Series FC/AP

The FC/AP Series is your natural color and translucent material solution for applications with food contact. The series features include an excellent adhesion to PP.

Compound Name	Hardness	Color	Adhesion
• TFxBNA	29-87 Shore A	Natural	PP
• TFxBTL	28-88 Shore A	Translucent	

### Typical Applications

- Function and design elements
- Grip applications
- Household articles
- Packaging (for food and care products)
- Razors
- Seals
- Toothbrushes
- Toys

### Material Advantages

- Adhesion to PP
- Applications with food contact
- Easy colorability
- EN71/3
- Excellent mechanical properties
- Excellent processing behavior
- Code of Federal Regulations, Title 21 (CFR21) "FDA"
- Halogen-free
- Natural and translucent compounds available
- Pleasant surface feel (Soft touch)
- Recyclable
- Regulation (EU) 10/2011



Series  
**FC/CS**

The FC/CS Series is your material solution for applications with food contact providing an excellent compression set. The series is available in translucent color.

Compound Name	Hardness	Color	Adhesion
• TFxSTE	33-83 Shore A	Translucent	PP
<b>Typical Applications</b>			
<ul style="list-style-type: none"> <li>• Closures</li> <li>• Flexible Connections</li> <li>• Household articles</li> <li>• Membranes</li> <li>• Packaging (for food and care products)</li> <li>• Seals</li> <li>• Valves</li> </ul>			
<b>Material Advantages</b>			
<ul style="list-style-type: none"> <li>• Adhesion to PP</li> <li>• Applications with food contact</li> <li>• Easy colorability</li> <li>• EN71/3</li> <li>• Excellent mechanical properties</li> <li>• Code of Federal Regulations, Title 21 (CFR21) "FDA"</li> <li>• For injection molding and extrusion</li> <li>• High elasticity</li> <li>• Perfect surface finish</li> <li>• Recyclable</li> <li>• Regulation (EU) 10/2011</li> <li>• Service temperature: -40°C to 120°C (dynamic stress: up to 100°C)</li> </ul>			

## THERMOLAST® K

### Series FC/ht

The FC/ht Series is your highly transparent material solution for applications with food contact. The series is characterized, among other things, by its excellent adhesion to PP.

Compound Name	Hardness	Color	Adhesion
• TFxFHT	30-80 Shore A	Transparent	PP
• TFxTHT	59-77 Shore A	Transparent	
Typical Applications			
<ul style="list-style-type: none"><li>• Function and design elements</li><li>• Grip applications</li><li>• Household articles</li><li>• Packaging (for food and care products)</li><li>• Razors</li><li>• Seals</li><li>• Toothbrushes</li><li>• Toys</li></ul>			
Material Advantages			
<ul style="list-style-type: none"><li>• Adhesion to PP</li><li>• Code of Federal Regulations, Title 21 (CFR 21) "FDA"</li><li>• EN71/3</li><li>• Excellent processing behavior</li><li>• Excellent transparency</li><li>• Regulation (EU) No. 10/2011</li><li>• Smooth, non-tacky feel</li><li>• Various color options and effects available (incl. transparent colors, metallic &amp; pearlescent effect)</li></ul>			

## THERMOLAST® K

### Series FC/S

The FC/S Series consists of extremely soft materials for applications with food contact. They are available in natural color, translucent and highly transparent versions. The materials have a dry feel.

Compound Name	Hardness	Color	Adhesion
• TFxSNT	74-83 VLRH	Natural	PP
• TFxSTL	51-81 VLRH	Translucent	
• TFxSTT	73-85 VLRH	Transparent	
Typical Applications			
<ul style="list-style-type: none"><li>• Baits</li><li>• Cushioning</li><li>• Fun articles</li><li>• Function and design elements</li><li>• Grip applications</li><li>• Protectors</li><li>• Toys</li></ul>			
Material Advantages			
<ul style="list-style-type: none"><li>• Adhesion to PP</li><li>• Applications with food contact</li><li>• Dry surface</li><li>• Easy processing</li><li>• EN71/3</li><li>• Excellent mechanical properties at low hardness</li><li>• Code of Federal Regulations, Title 21 (CFR21) "FDA"</li><li>• Pleasant surface feel (Soft touch)</li><li>• Regulation (EU) 10/2011</li></ul>			



# TECHNICAL INFO AT A CLICK

Get online support by downloading our detailed KRAIBURG TPE technical data sheet(s) with processing guides and safety data sheet(s) anywhere in the world.

Follow these easy steps to download KRAIBURG TPE detailed data sheet(s):

<p><b>STEP 1:</b></p>	<p>Visit <a href="http://www.kraiburg-tpe.com">www.kraiburg-tpe.com</a> / Scan the QR code.</p>	
<p><b>STEP 2:</b></p>	<p>Click "PRODUCT DATABASE".</p>	
<p><b>STEP 3:</b></p>	<p>COMPOUND SEARCH appears.  Select and click your "REGION"</p>	
<p><b>STEP 4:</b></p>	<p>BEGIN SEARCHING:  (a-i) Search Text Manually</p>	<p>MATERIAL - SEARCH <input type="text"/></p> <p>SERIES - SEARCH <input type="text"/></p> <p>TEXT - SEARCH <input type="text"/></p> <p><b>SEARCH</b></p>
	<p>OR</p> <p>(a-ii) Guided Search</p>	<p>MARKET - SEARCH <input type="text"/></p> <p>TYPICAL APPLICATIONS <input type="text"/></p> <p>MATERIAL ADVANTAGES <input type="text"/></p> <p><b>SEARCH</b></p>
	<p>AND / OR</p> <p>(b) Scroll down for "SEARCH RESULTS".  Click on the desired series name to download the desired data sheet(s) in PDF.</p>	 <p><b>SELECT &amp; DOWNLOAD</b></p>

# BRIGHTEN UP WITH COLORS

Set your products apart from the competition with KRAIBURG TPE customized color TPEs. Our TPE can be color compounded upon request, regardless of your application requirements, such as: special chemical, thermal resistance, different finishing and textures, or other exclusive properties. We will strive to fulfill your request in the most economic and optimal way possible, and assure a worldwide consistent color quality.

## “ Comprehensive Solution!

Impress your customer and score with an appealing design and the perfect color. ”





# BRING YOUR IDEAS TO LIFE

Every now and then, you may come across an idea that may help make your products requiring TPEs better and more commercially viable. Share your ideas with us and we'll help you add value at each critical stage of the product development process to help you save time, money and introduce a better product to the market quickly and successfully! From mold structure design idea, TPE specifications to customization - we'll help bring your ideas to life!

**“ Got An Idea! ”**



# OUR STANDARDS OF EXCELLENCE

KRAIBURG TPE prides itself as a company that pursues quality, innovation and excellence at all levels. This quality management approach enables us to assure the quality requirements for both the applications and the customers – exceeding high standards of safety, quality and reliability. We will also continue to develop innovative products and continuously improve our performance, as all our employees are fully dedicated to the highest standards of:

## QUALITY MANAGEMENT SYSTEM

complying with the requirements of standard  
**ISO 9001**

## ENVIRONMENTAL MANAGEMENT SYSTEM

complying with the requirements of standard  
**ISO 14001**

## ENERGY MANAGEMENT SYSTEM

complying with the requirements of standard  
**ISO 50001**





# CARING YOU & ME

The importance of environmental conservation is a topic we are actively conscious about. KRAIBURG TPE takes important measures to ensure that our thermoplastic elastomers (TPEs) can be recycled nearly up to 100%. This allows us to melt down the thermoplastic elastomers again and again - saving on material use and ultimately, preserving the environment.

We have also initiated a landmark "CARING YOU & ME" initiative around the Asia Pacific region to make a difference in our lives. Our theme adopts a caring approach towards environment conservation and preservation, and towards our employees' health and safety concerns (EHS). Our goal is to work towards better environment preservation, health and safety while simultaneously maintaining harmony with nature in all our global operation activities.







# CONSUMER

Explore creative consumer and personal care possibilities with our outstanding smooth, silky finishes, and food-approved compounds, customized haptics, highly transparent materials, wide hardness range and more!



## Headquarters: Germany

### Production Sites:

#### **EMEA: Waldkraiburg, Germany**

KRAIBURG TPE GmbH & Co. KG  
E-Mail: [info@kraiburg-tpe.com](mailto:info@kraiburg-tpe.com)

#### **AMERICAS: Atlanta, USA**

KRAIBURG TPE Corporation  
E-Mail: [info-americas@kraiburg-tpe.com](mailto:info-americas@kraiburg-tpe.com)

#### **ASIA PACIFIC: Kuala Lumpur, Malaysia**

KRAIBURG TPE TECHNOLOGY (M) SDN.BHD.  
E-Mail: [info-asia@kraiburg-tpe.com](mailto:info-asia@kraiburg-tpe.com)

In further countries KRAIBURG TPE is represented by sales offices and distributors.

## [www.kraiburg-tpe.com](http://www.kraiburg-tpe.com)

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