

CONSUMER

日常消费品



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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.

对于制造商与企业家而言，唯有先进的技术，方是最为强劲的竞争优势，才能在专业领域独占鳌头。近些年来，各大企业纷纷热衷于使用热塑性弹性体 (TPE) 来探索产品应用的无限可能，以积极创新研究，保持竞争优势。

热塑性弹性体 (TPE) 具备橡胶般的弹性特质，又有着类似塑料的加工优势，而其卓越的机械性能，以及高透明性与着色性，更是令当代各大产品研发者与设计师趋之若鹜。

客户可个性化的定制 TPE 化合物产品应用于各行各业，如汽车、医疗、工业、消费品与个人护理等，并可顺利的提升产品价值。凯柏胶宝的优质 TPE，其功能强大、灵活实用且性能出色，助您开创无限应用可能。

A smiling woman with dark hair, wearing a red top, is looking at a laptop screen. The background is a soft green gradient.

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.

凯柏胶宝堪称日常消费品和个人卫生用品领域的创新先锋，始终引领着该行业快速向前发展。凯柏胶宝的热塑性弹性体(TPE)化合物不仅令产品整体外观与触感更为完美，更可突显其设计、美学与人体工学方面的附加价值。

我们的优质热塑性弹性体(TPE)化合物适用于药剂用品应用，是日常消费品和个人卫生用品行业的首选材料。

凯柏胶宝的热塑性弹性体(TPE)完全符合FDA要求，可轻松着色，且流动性极佳，并且我们也特别精选使用高纯度的医用白油。我们同时也提供经过皮肤及粘膜敏感反应测试的材料，因此可被广泛地应用在婴儿奶咀及食物保险盒的密封件上。







THERMOLAST® K

Series 系列 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.

FC/AD1 系列是用于食品接触应用的材料解决方案，能提供卓越的 PC、ABS 及 PETG 等极性热塑性材料包胶性能。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TFxTAA	47-77 Shore A	Transparent 透明	PC ABS PETG
Typical Applications		典型应用	
<ul style="list-style-type: none">• Function and design elements• Grip applications• Household articles• Packaging (for food and care products)• Razors• Seals• Toothbrushes• Toys	<ul style="list-style-type: none">• 功能和设计要素• 把手应用• 家居用品• 包装（用于食品和护理产品）• 剃须刀• 密封件• 牙刷• 玩具		
Material Advantages		材料优势	
<ul style="list-style-type: none">• Applications with food contact• Easy colorability• EN71/3• Excellent adhesion• Excellent processing behavior• Code of Federal Regulations, Title 21 (CFR21) "FDA"• Halogen-free• Regulation (EU) 10/2011	<ul style="list-style-type: none">• 食品接触应用• 易于着色• EN71/3• 卓越的粘合性• 卓越的加工性能• 美国FDA联邦法规第21篇 (CFR21)• 无卤素• 法规 (欧盟) 10/2011		

THERMOLAST® K

Series 系列 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.

FC/AD1/ht 系列是用于食品接触应用的高透明材料解决方案。该系列的特点包括卓越的 PC、ABS 和 PETG 等极性热塑性材料的包胶性能。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TFxTAA	47-77 Shore A	Transparent 透明	PC ABS PETG
Typical Applications		典型应用	
<ul style="list-style-type: none">• Function and design elements• Grip applications• Household articles• Packaging (for food and care products)• Razors• Seals• Toothbrushes• Toys	<ul style="list-style-type: none">• 功能和设计要素• 把手应用• 家居用品• 包装（用于食品和护理产品）• 剃须刀• 密封件• 牙刷• 玩具		
Material Advantages		材料优势	
<ul style="list-style-type: none">• Applications with food contact• EN71/3• Excellent adhesion• Excellent mechanical properties• Excellent transparency• Code of Federal Regulations, Title 21 (CFR21) "FDA"• Halogen-free• Low density• Various color options and effects available	<ul style="list-style-type: none">• 食品接触应用• EN71/3• 卓越的粘合性• 卓越的机械性能• 卓越的透明度• 美国FDA联邦法规第21篇 (CFR21)• 无卤素• 低密度• 拥有多种颜色选项和效果		

THERMOLAST® K

Series 系列 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.

FC/AP 系列是用于食品接触应用的本色和半透明材料解决方案。该系列的特点包括卓越的 PP 包胶性能。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TFxBNA	29-87 Shore A	Natural 本色	PP
• TFxBTL	28-88 Shore A	Translucent 半透明	
Typical Applications		典型应用	
<ul style="list-style-type: none"> Function and design elements Grip applications Household articles Packaging (for food and care products) Razors Seals Toothbrushes Toys 		<ul style="list-style-type: none"> 功能和设计要素 把手应用 家居用品 包装 (用于食品和护理产品) 剃须刀 密封件 牙刷 玩具 	
Material Advantages		材料优势	
<ul style="list-style-type: none"> 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 		<ul style="list-style-type: none"> 包胶 PP 食品接触应用 易于着色 EN71/3 卓越的机械性能 卓越的加工性能 美国FDA联邦法规第21篇 (CFR21) 无卤素 拥有本色或半透明颜色可供选择 舒适的表面触感 (柔和的触感) 可回收 法规 (欧盟) 10/2011 	

THERMOLAST® K

Series 系列 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.

FC/CS 系列是用于食品接触应用的材料解决方案，能提供卓越的压缩变形。该系列拥有半透明色可供选择。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TFxSTE	33-83 Shore A	Translucent 半透明	PP
Typical Applications		典型应用	
<ul style="list-style-type: none"> Closures Flexible Connections Household articles Membranes Packaging (for food and care products) Seals Valves 		<ul style="list-style-type: none"> 封口 柔性连接器 家居用品 薄膜 包装 (用于食品和护理产品) 密封件 阀门 	
Material Advantages		材料优势	
<ul style="list-style-type: none"> Adhesion to PP Applications with food contact Easy colorability EN71/3 Excellent mechanical properties Code of Federal Regulations, Title 21 (CFR21) "FDA" For injection molding and extrusion High elasticity Perfect surface finish Recyclable Regulation (EU) 10/2011 Service temperature: -40°C to 120°C (dynamic stress: up to 100°C) 		<ul style="list-style-type: none"> 包胶 PP 食品接触应用 易于着色 EN71/3 卓越的机械性能 美国FDA联邦法规第21篇 (CFR21) 用于注塑成型和挤塑 高弹性 完美的表面光洁度 可回收 法规 (欧盟) 10/2011 使用温度: -40 °C 至 120 °C (动态应力: 最高 100 °C) 	

Series 系列
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.

FC/ht系列是用于食品接触应用的高透明度材料解决方案。该系列特点之一是卓越的 PP包胶性能。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TFxHHT	30-80 Shore A	Transparent 透明	PP
• TFxTHT	59-77 Shore A	Transparent 透明	
Typical Applications		典型应用	
<ul style="list-style-type: none"> Function and design elements Grip applications Household articles Packaging (for food and care products) Razors Seals Toothbrushes Toys 		<ul style="list-style-type: none"> 功能和设计要素 把手应用 家居用品 包装 (用于食品和护理产品) 剃须刀 密封件 牙刷 玩具 	
Material Advantages		材料优势	
<ul style="list-style-type: none"> Adhesion to PP Code of Federal Regulations, Title 21 (CFR 21) "FDA" EN71/3 Excellent processing behavior Excellent transparency Regulation (EU) No. 10/2011 Smooth, non-tacky feel Various color options and effects available (incl. transparent colors, metallic & pearlescent effect) 		<ul style="list-style-type: none"> 包胶 PP 美国FDA联邦法规第21篇 (CFR21) EN71/3 卓越的加工性能 卓越的透明度 法规 (欧盟) 10/2011 平滑、无粘触感 拥有多种颜色选项和效果 (包括透明色、金属和珠光效果) 	

THERMOLAST® K

Series 系列
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.

FC/S 系列包括用于食品接触应用的极软材料。拥有本色、半透明及高透明度颜色可供选择。这些材料具有干燥的触感。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TFxSNT	74-83 VLRH	Natural 本色	PP
• TFxSTL	51-81 VLRH	Translucent 半透明	
• TFxSTT	73-85 VLRH	Transparent 透明	
Typical Applications		典型应用	
<ul style="list-style-type: none"> Baits Cushioning Fun articles Function and design elements Grip applications Protectors Toys 		<ul style="list-style-type: none"> 钓饵 缓冲垫 趣味用品 功能和设计要素 把手应用 防护器 玩具 	
Material Advantages		材料优势	
<ul style="list-style-type: none"> Adhesion to PP Applications with food contact Dry surface Easy processing EN71/3 Excellent mechanical properties at low hardness Code of Federal Regulations, Title 21 (CFR21) "FDA" Pleasant surface feel (Soft touch) Regulation (EU) 10/2011 		<ul style="list-style-type: none"> 包胶 PP 食品接触应用 干燥表面 易于加工 EN71/3 具有卓越的机械性能即使在低硬度下 美国FDA联邦法规第21篇 (CFR21) 舒适的表面触感 (柔和的触感) 法规 (欧盟) 10/2011 	

Series 系列
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.

FC/AD1/PS 系列是用于食品接触应用的材料解决方案，能提供卓越的ABS、PC、PC/ABS 及 PS 等极性热塑性材料包胶性能。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TFXADN	28-89 Shore A	Natural 本色	PC ABS PC/ABS PS
Typical Applications		典型应用	
<ul style="list-style-type: none"> • Function and design elements • Grip applications • Household articles • Razors • Toothbrushes • Toys 		<ul style="list-style-type: none"> • 功能和设计要素 • 把手应用 • 家居用品 • 剃须刀 • 牙刷 • 玩具 	
Material Advantages		材料优势	
<ul style="list-style-type: none"> • Easy colorability • Easy processing • Excellent adhesion • Code of Federal Regulations, Title 21 (CFR21) "FDA" • Pleasant surface feel (Soft touch) • Regulation (EU) 10/2011 		<ul style="list-style-type: none"> • 易于着色 • 易于加工 • 卓越的粘合性 • 美国FDA联邦法规第21篇 (CFR21) • 舒适的表面触感 (柔和的触感) • 法规 (欧盟) 10/2011 	

THERMOLAST® K

Series 系列
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.

FC/AD/PE 系列是用于食品接触应用的材料解决方案，能提供卓越的LDPE、LLDPE 和 HDPE的包胶性能。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TFXPEN	47-77 Shore A	Natural 本色	LDPE LLDPE HDPE
Typical Applications		典型应用	
<ul style="list-style-type: none"> • Grip applications • Household articles • Toothbrushes 		<ul style="list-style-type: none"> • 把手应用 • 家居用品 • 牙刷 	
Material Advantages		材料优势	
<ul style="list-style-type: none"> • Adhesion to LDPE, LLDPE & HDPE • Easy colorability • Halogen-free • Pleasant surface feel (Soft touch) • Recyclable 		<ul style="list-style-type: none"> • 包胶 LDPE、LLDPE 和 HDPE • 易于着色 • 无卤素 • 舒适的表面触感 (柔和的触感) • 可回收 	

TECHNICAL INFO AT A CLICK




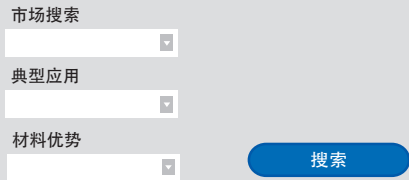

Get online support by downloading our detailed KRAIBURG TPE technical data sheet(s) with processing guides and safety data sheet(s) anywhere in the world.

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

<p>STEP 1:</p> <p>▼</p>	<p>Visit www.kraiburg-tpe.com / Scan the QR code.</p>	
<p>STEP 2:</p> <p>▼</p>	<p>Click "PRODUCT DATABASE".</p>	
<p>STEP 3:</p> <p>▼</p>	<p>COMPOUND SEARCH appears.</p> <p>Select and click your "REGION"</p>	
<p>STEP 4:</p>	<p>BEGIN SEARCHING:</p> <p>(a-i) Search Text Manually</p> <p>OR</p> <p>(a-ii) Guided Search</p> <p>AND / OR</p> <p>(b) Scroll down for "SEARCH RESULTS".</p> <p>Click on the desired series name to download the desired data sheet(s) in PDF.</p>	<div data-bbox="754 1323 1161 1480"> <p>MATERIAL - SEARCH</p> <input type="text"/></div> <div data-bbox="754 1379 929 1424"> <p>SERIES - SEARCH</p> <input type="text"/></div> <div data-bbox="754 1435 1161 1480"> <p>TEXT - SEARCH <input type="text"/> SEARCH</p> </div> <hr/> <div data-bbox="754 1547 1161 1704"> <p>MARKET - SEARCH <input type="text"/></p> <p>TYPICAL APPLICATIONS <input type="text"/></p> <p>MATERIAL ADVANTAGES <input type="text"/></p> <p>SEARCH</p> </div> <hr/> <div data-bbox="773 1783 874 1939">  <p>SELECT & DOWNLOAD</p> </div>

下载凯柏胶宝的详细技术数据表、加工指南及安全数据表，获取在线帮助，随时随地，轻松便捷！

遵循以下简单步骤，下载凯柏胶宝的详细数据表：

<p>步骤 1</p>	<p>浏览 www.kraiburg-tpe.com/zh/ 或 扫描二维码</p>	
<p>步骤 2</p>	<p>点击“产品资料库”。</p>	
<p>步骤 3</p>	<p>随即显示 “化合物搜索” 选择并点击首选“地区”</p>	
<p>步骤 4</p>	<p>开始搜索： (a-i) 手动文本搜索</p>	
	<p>或 (a-ii) 引导式搜索</p>	
	<p>和/或 (b) 向下滚动， 查看“搜索结果”。 点击所需的系列名称， 下载所需的数据表 (PDF 格式)。</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.

凯柏胶宝定制配色的热塑性弹性体让您的产品于市场上脱颖而出。无论任何的产品应用需求, 如特种化学品, 抗热性质, 各种成型和纹理或其他独特物性, 我们的热塑性弹性体可根据您的要求进行配色。我们致力以最经济及最佳的方法去达成您的需求, 并能提供全球一致性的颜色质量控管。

“ 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!

您或许已对如何运用热塑性弹性体来提升产品价值及增加其商业优势有了一定的想法。欢迎与我们分享，我们乐意协助您在产品开发过程中提供相关建议并为您的产品增值，从而节省时间与成本，迅速将优质的产品成功推向市场！从开模设计建议，到热塑性弹性体的规格定制 — 凯柏胶宝助您将创意实现！

“ 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:

“品质”、“创新”、“卓越”——六字箴言始终是凯柏胶宝的不懈追求的宗旨。我们实施最为严苛的安全、质量与可靠性标准。有效的质量管理体系随时都能满足客户在产品应用方面及确保质量的要求。在未来，我们将不断研发创新产品，持续提高企业表现。我们的专业人才，都致力于实现最高标准：

QUALITY MANAGEMENT SYSTEM

complying with the requirements of standard
ISO 9001

质量管理体系

严格遵循各项准则要求
ISO 9001

ENVIRONMENTAL MANAGEMENT SYSTEM

complying with the requirements of standard
ISO 14001

环境管理体系

严格遵循各项准则要求
ISO 14001

ENERGY MANAGEMENT SYSTEM

complying with the requirements of standard
ISO 50001

能量管理体系

严格遵循各项准则要求
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.

凯柏胶宝始终热心于环境保护事业，并积极实施了多项重要措施。我们热塑性弹性体(TPE)的再循环率几近百分百(热塑性弹性体可以反复熔化使用)，从而可节省材料，达到环保的目的。

此外，我们在亚太地区发起了一项极具里程碑意义的“CARING YOU & ME”活动，让我们能够更了解环保的重要性。主题活动不仅关注环境保护，同时还注重员工的健康与安全问题(EHS)。是的，我们渴望更美好的生活，也立志为所有员工及社会营造更健康安全的工作环境。





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

AMERICAS: Atlanta, USA

KRAIBURG TPE Corporation
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