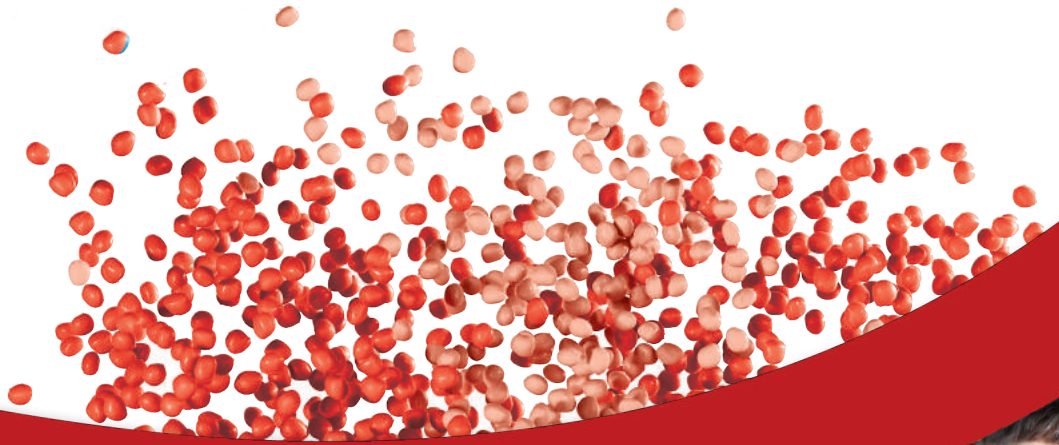


# AUTOMOTIVE

## 汽车工业



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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。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。

# DRIVING AUTOMOTIVE INNOVATION

KRAIBURG TPE drives automotive innovation by developing special TPE compounds that offer many advantages to vehicle manufacturers.

For exterior automotive applications, our TPEs boast of high performance, durability and weatherability.

For interior applications, our colorable, soft touch and velvety TPEs enhance interior aesthetics and resist intense heat, scratches, and UV rays. Automotive sealing performance is further strengthened with our sealing systems, featuring good surface appearance and elasticity, chemical, water and vibration resistance, and excellent UV stability.

Specially developed TPE compounds are also at work under the hood to resist extreme heat, flame, abrasion, oil and grease, ensuring the vehicle's performance is never compromised. We provide TPEs that meet all relevant requirements, including Kalahari and Arizona test certifications.

凯柏胶宝精心研发适用于汽车领域的TPE化合物，帮助汽车制造商继续开拓创新，稳固竞争优势。

我们的TPE性能出色，且耐用性和耐候性强，适合汽车外饰应用。就内饰应用来说，绒感柔软表面的可着色TPE能提升内饰美感，并可抗高温、耐刮擦和防紫外线。而借助我们产品卓越密封系统的优势，汽车的密封性能也得以进一步增强，其外观表面与弹性特质更为出众，不仅防水防震，耐化学品侵蚀，还具有极佳的耐紫外辐射稳定性。

除此之外，专门研发的TPE化合物亦可完美应用于动力系统之中，具有耐酷热、阻燃烧、耐磨损和抗油脂等特性，从而显著提升汽车性能。我们的TPE均符合Kalahari和Arizona 测试认证等所有相关要求。













## THERMOLAST® K

### Series 系列 AD1

The AD1 Series is your material solution for applications with excellent adhesion to polar thermoplastics such as ABS, PC and PC/ABS. The compounds are available in natural and black colors.

AD1系列是用于需要卓越包胶性能应用的材料解决方案，能包胶极性热塑性材料，如ABS、PC和PC/ABS。该化合物拥有本色和黑色可供选择。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TCxMLB	50-77 Shore A	Natural 本色	PC  ABS  PC/ABS
• TCxMLZ	49-77 Shore A	Black 黑色	
• TCxMSB	31-39 Shore A	Natural 本色	
• TCxMSZ	30-40 Shore A	Black 黑色	
Typical Applications 典型应用		典型应用	
<ul style="list-style-type: none"> <li>• Bumpers</li> <li>• Door seal</li> <li>• Function and design elements</li> <li>• Grommets</li> <li>• Handles</li> <li>• Seals</li> <li>• Thumb wheels</li> </ul>		<ul style="list-style-type: none"> <li>• 保险杠</li> <li>• 门封条</li> <li>• 功能和设计要素</li> <li>• 垫圈</li> <li>• 手柄</li> <li>• 密封</li> <li>• 拨轮</li> </ul>	
Material Advantages 材料优势		材料优势	
<ul style="list-style-type: none"> <li>• Easy colorability</li> <li>• Excellent adhesion</li> <li>• Excellent processing behavior</li> <li>• Insert molding possible</li> <li>• Pleasant surface feel (Soft touch)</li> <li>• Suitable for automotive interior</li> <li>• UL 94 HB listed</li> <li>• UV resistance</li> </ul>		<ul style="list-style-type: none"> <li>• 易于着色</li> <li>• 卓越的粘合性</li> <li>• 卓越的加工性能</li> <li>• 可以嵌件成型</li> <li>• 舒适的表面触感</li> <li>• 适用于汽车内饰</li> <li>• UL 94 HB</li> <li>• 抗紫外线性</li> </ul>	

## THERMOLAST® K

### Series 系列 AD1/CS

The AD1/CS Series is your material solution for applications with excellent adhesion to polar thermoplastics such as ABS, PC and PC/ABS as well as excellent compression set. The compounds are available in natural and black colors.

AD1/CS系列是用于需要卓越包胶性能应用的材料解决方案，能包胶极性热塑性材料，如ABS、PC和PC/ABS，同时具有出色的压缩形变。化合物拥有本色和黑色可供选择。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TPxVCN	47-75 Shore A	Natural 本色	PC  ABS  PC/ABS
• TPxVCZ	50-80 Shore A	Black 黑色	
Typical Applications 典型应用		典型应用	
<ul style="list-style-type: none"> <li>• Fastenings</li> <li>• Grommets</li> <li>• Membranes</li> <li>• Seals</li> </ul>		<ul style="list-style-type: none"> <li>• 紧固件</li> <li>• 垫圈</li> <li>• 薄膜</li> <li>• 密封件</li> </ul>	
Material Advantages 材料优势		材料优势	
<ul style="list-style-type: none"> <li>• Easy colorability</li> <li>• Excellent compression set</li> <li>• Insert molding possible</li> <li>• UL 94 HB listed</li> </ul>		<ul style="list-style-type: none"> <li>• 易于着色</li> <li>• 卓越的压缩形变</li> <li>• 可以嵌件成型</li> <li>• UL 94 HB认证</li> </ul>	



Series 系列

**AD/EPDM/UV**

The AD/EPDM/UV Series is your material solution for applications requiring UV resistance and adhesion to EPDM rubber. It is particularly appropriate for automotive exterior.

AD/EPDM/UV 系列是用于需要抗紫外线和 EPDM 橡胶包胶应用的最佳材料解决方案。它特别适用于汽车外饰。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TCxEAZ	70 Shore A	Black 黑色	EPDM
• TCxEFZ	70 Shore A	Black 黑色	
<b>Typical Applications 典型应用</b>		<b>典型应用</b>	
<ul style="list-style-type: none"> <li>Automotive Exterior</li> <li>Corner Molding</li> <li>Door sills</li> <li>End caps</li> <li>Glass Run Channel</li> <li>Window encapsulations</li> </ul>		<ul style="list-style-type: none"> <li>汽车外饰</li> <li>窗密封件</li> <li>端盖</li> <li>角线</li> <li>车窗玻璃导槽</li> <li>门槛</li> </ul>	
<b>Material Advantages 材料优势</b>		<b>材料优势</b>	
<ul style="list-style-type: none"> <li>Adhesion to EPDM</li> <li>Easy flowing</li> <li>Easy processing</li> <li>Excellent heat resistance up to 90 °C</li> <li>Excellent UV- and weather resistance</li> <li>For injection molding</li> <li>Insert molding possible</li> <li>Low Coefficient of Friction</li> <li>Recyclable</li> <li>Short cooling time</li> </ul>		<ul style="list-style-type: none"> <li>包胶 EPDM</li> <li>低摩擦系数</li> <li>冷却时间短</li> <li>卓越的抗紫外线性和耐候性</li> <li>卓越的耐热性，可高达 90°C</li> <li>可以嵌件成型</li> <li>可回收</li> <li>易于加工</li> <li>易于流动</li> <li>用于注塑成型</li> </ul>	

**THERMOLAST® K**

Series 系列

**AD/PA**

The AD/PA Series is your material solution for applications with excellent adhesion to PA. The compounds are available in natural and black colors.

AD/PA 系列是用于需要卓越包胶性能应用的材料解决方案，能包胶PA。化合物拥有本色和黑色可供选择。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TCxPAN	23-80 Shore A	Natural 本色	PA
• TCxPAZ	23-80 Shore A	Black 黑色	
<b>Typical Applications 典型应用</b>		<b>典型应用</b>	
<ul style="list-style-type: none"> <li>Cable clips</li> <li>Function and design elements</li> <li>Grommets</li> <li>Handles</li> <li>Seals</li> <li>Thumb wheels</li> </ul>		<ul style="list-style-type: none"> <li>缆线卡钩</li> <li>功能和设计要素</li> <li>垫圈</li> <li>手柄</li> <li>密封件</li> <li>拨轮</li> </ul>	
<b>Material Advantages 材料优势</b>		<b>材料优势</b>	
<ul style="list-style-type: none"> <li>Adhesion to PA 6 and PA 6.6 up to 50 % glass fiber</li> <li>Easy colorability</li> <li>Excellent adhesion</li> <li>Excellent processing behavior</li> <li>Insert molding possible</li> <li>Pleasant surface feel (Soft touch)</li> <li>UL 94 HB listed</li> <li>Wide hardness range 23-80 Sh A</li> <li>UV resistance</li> </ul>		<ul style="list-style-type: none"> <li>包胶 PA 6 和 PA 6.6玻纤量可高达50%</li> <li>易于着色</li> <li>卓越的粘合性</li> <li>卓越的加工性能</li> <li>可以嵌</li> <li>舒适的表面触感 柔和的触感</li> <li>UL 94 HB 认证</li> <li>宽硬度范围 23 - 80 Sh A</li> <li>抗紫外线性</li> </ul>	

## THERMOLAST® K

Series 系列

### AD/PA/CS

The AD/PA/CS Series is your material solution for applications with excellent adhesion to PA as well as outstanding compression set. The compounds are available in natural and black colors.

AD/PA/CS系列用于需要卓越包胶性能应用的材料解决方案，能包胶PA，同时具有出色的压缩形变。该化合物拥有本色和黑色可供选择。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TCxPCN	39-77 Shore A	Natural 本色	PA
• TCxPCZ	35-75 Shore A	Black 黑色	
Typical Applications 典型应用			
<ul style="list-style-type: none"><li>• Fastenings</li><li>• Grommets</li><li>• Membranes</li><li>• Seals</li></ul>		<ul style="list-style-type: none"><li>• 紧固件</li><li>• 垫圈</li><li>• 薄膜</li><li>• 密封件</li></ul>	
Material Advantages 材料优势			
<ul style="list-style-type: none"><li>• Easy colorability</li><li>• Excellent compression set</li><li>• Insert molding possible</li><li>• UL 94 HB listed</li></ul>		<ul style="list-style-type: none"><li>• 易于着色</li><li>• 卓越的压缩形变</li><li>• 可以嵌件成型</li><li>• UL 94 HB 认证</li></ul>	

## THERMOLAST® K

Series 系列

### AD/POM

The AD/POM Series is your material solution for applications with excellent adhesion to POM. The compounds are available in natural and black colors.

AD/POM系列是用于需要卓越包胶性能应用的材料解决方案，能包胶POM。该化合物拥有本色和黑色可供选择。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TCxHAA	47-77 Shore A	Natural 本色	POM
• TCxHBA	59-70 Shore A	Natural 本色	
• TCxHAZ	47-77 Shore A	Black 黑色	
• TCxHBZ	61-72 Shore A	Black 黑色	
Typical Applications 典型应用			
<ul style="list-style-type: none"><li>• Bumpers</li><li>• Function and design elements</li><li>• Grommets</li><li>• Handles</li><li>• Seals</li><li>• Thumb wheels</li></ul>		<ul style="list-style-type: none"><li>• 保险杠</li><li>• 功能和设计要素</li><li>• 垫圈</li><li>• 手柄</li><li>• 密封</li><li>• 拨轮</li></ul>	
Material Advantages 材料优势			
<ul style="list-style-type: none"><li>• Easy colorability</li><li>• Excellent adhesion</li><li>• Excellent processing behavior</li><li>• Insert molding possible</li><li>• Patented system for TPS and POM</li><li>• Pleasant surface feel (Soft touch)</li><li>• Suitable for automotive interior</li><li>• UV resistance</li></ul>		<ul style="list-style-type: none"><li>• 易于着色</li><li>• 卓越的粘合性</li><li>• 卓越的加工性能</li><li>• 可以嵌</li><li>• TPS和POM 专利系统</li><li>• 舒适的表面触感(柔和的触感)</li><li>• 适用于汽车内饰</li><li>• 抗紫外线性</li></ul>	



Series 系列  
**GP/FG**

The GP/FG Series is your material solution for a variety of different applications. It is particularly appropriate for passenger compartments. The compounds are available in natural and black colors.

GP/FG系列是用于多种不同应用的材料解决方案。特别适用于客舱。该化合物拥有本色和黑色可供选择。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TCxGPN	21-89 Shore A 32 Shore D	Natural 本色	PP
• TCxGPZ	23-89 Shore A 33 Shore D	Black 黑色	
<b>Typical Applications</b>		<b>典型应用</b>	
<ul style="list-style-type: none"> <li>• Car mats</li> <li>• Function and design elements</li> <li>• Handles</li> <li>• Seals</li> <li>• Soft touch surface (thumb wheels, push buttons, switches)</li> </ul>		<ul style="list-style-type: none"> <li>• 车垫</li> <li>• 功能和设计要素</li> <li>• 手柄</li> <li>• 密封</li> <li>• 软质表面 (拨轮、按键、开关)</li> </ul>	
<b>Material Advantages</b>		<b>材料优势</b>	
<ul style="list-style-type: none"> <li>• Adhesion to PP</li> <li>• Easy colorability</li> <li>• Excellent mechanical properties</li> <li>• Excellent processing behavior</li> <li>• Fulfills automotive interior specifications</li> <li>• Pleasant surface feel (Soft touch)</li> <li>• UL 94 HB listed</li> </ul>		<ul style="list-style-type: none"> <li>• 包胶</li> <li>• 易于着色</li> <li>• 卓越的机械性能</li> <li>• 卓越的加工性能</li> <li>• 符合汽车内饰规范</li> <li>• 舒适的表面触感(柔和的触感)</li> <li>• UL 94 HB 认证</li> </ul>	

THERMOLAST® K

Series 系列  
**SCR**

The SCR Series is your material solution for applications requiring a high degree of scratch resistance. The series is characterized among other things by a pleasant feel.

SCR系列是用于耐高刮擦性应用的材料解决方案。该系列特征之一是舒适的触感。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TCxSCE	27-77 Shore A	Natural 本色	PP
<b>Typical Applications</b>		<b>典型应用</b>	
<ul style="list-style-type: none"> <li>• Car mats</li> <li>• Function and design elements</li> <li>• Handles</li> <li>• Soft touch surface (thumb wheels, push buttons, switches)</li> </ul>		<ul style="list-style-type: none"> <li>• 车垫</li> <li>• 功能和设计要素</li> <li>• 手柄</li> <li>• 软质表面 (拨轮、按键、开关)</li> </ul>	
<b>Material Advantages</b>		<b>材料优势</b>	
<ul style="list-style-type: none"> <li>• Adhesion to PP</li> <li>• Easy colorability</li> <li>• Excellent abrasion resistance</li> <li>• Excellent mechanical properties</li> <li>• Excellent scratch resistance</li> <li>• Pleasant surface feel (Soft touch)</li> </ul>		<ul style="list-style-type: none"> <li>• 包胶 PP</li> <li>• 易于着色</li> <li>• 卓越的耐磨性</li> <li>• 卓越的机械性能</li> <li>• 卓越的耐刮擦性</li> <li>• 舒适的表面触感(柔和的触感)</li> </ul>	

## THERMOLAST® K

### Series系列 UV/AP

The UV/AP Series is your material solution for applications requiring high UV resistance. It is particularly suited for automotive exterior components. The compounds comply with GM standard GMW 16233.

UV/AP系列是用于抗高紫外线应用的材料解决方案。特别适用于汽车外饰部件。该类化合物符合大众汽车公司标准GMW 16233。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TCxUVZ	50-70 Shore A	Black 黑色	PP
<b>Typical Applications</b>		<b>典型应用</b>	
<ul style="list-style-type: none"><li>• Roof rims</li><li>• Water deflectors</li><li>• Window encapsulations</li></ul>		<ul style="list-style-type: none"><li>• 车顶架</li><li>• 导水器</li><li>• 窗密封件</li></ul>	
<b>Material Advantages</b>		<b>材料优势</b>	
<ul style="list-style-type: none"><li>• Adhesion to PP</li><li>• Easy flowing</li><li>• Excellent mechanical properties</li><li>• Excellent UV and weather resistance</li></ul>		<ul style="list-style-type: none"><li>• 包胶 PP</li><li>• 易于流动</li><li>• 卓越的机械性能</li><li>• 卓越的抗紫外线性和耐候性</li></ul>	

## THERMOLAST® K

### Series系列 UV/FG

The UV/FG Series is your material solution for applications requiring high UV resistance. It is particularly appropriate for automotive exterior and interior components.

UV/FG系列是用于抗高紫外线应用的材料解决方案。特别适用于汽车外饰和内饰部件。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TCxLEZ	33-89 Shore A 35 Shore D	Black 黑色	PP
<b>Typical Applications</b>		<b>典型应用</b>	
<ul style="list-style-type: none"><li>• Cowl gaskets</li><li>• Roof rims</li><li>• Soft touch for grips, switches and mats</li><li>• Water deflectors</li><li>• Window encapsulations</li></ul>		<ul style="list-style-type: none"><li>• 通风隔栅垫片</li><li>• 车顶架</li><li>• 把手、开关和橡胶垫的柔软触感</li><li>• 导水器</li><li>• 窗密封件</li></ul>	
<b>Material Advantages</b>		<b>材料优势</b>	
<ul style="list-style-type: none"><li>• Easy flowing</li><li>• Excellent mechanical properties</li><li>• Fulfills automotive interior specifications</li><li>• Perfect adhesion to PP</li><li>• Perfect surface finish</li><li>• Tested according to PV3930 for outdoor use</li></ul>		<ul style="list-style-type: none"><li>• 易于流动</li><li>• 卓越的机械性能</li><li>• 符合汽车内饰规范</li><li>• 完美 PP包胶</li><li>• 完美的表面光洁度</li><li>• 室外使用按照 PV3930 标准测试</li></ul>	



## THERMOLAST® K

### Series 系列 UV/LD/b

The UV/LD/b Series is your material solution for applications requiring high UV resistance. It is particularly appropriate for automotive exterior.

UV/LD/b系列是用于抗高紫外线性应用的材料解决方案。它特别适用于汽车外饰。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TPxLDZ	32-82 Shore A 35 Shore D	Black 黑色	PP
<b>Typical Applications</b>		<b>典型应用</b>	
<ul style="list-style-type: none"><li>• Cowl gaskets</li><li>• Roof rims</li><li>• Water deflectors</li><li>• Window encapsulations</li></ul>		<ul style="list-style-type: none"><li>• 通风隔栅垫片</li><li>• 车顶架</li><li>• 导水器</li><li>• 窗密封件</li></ul>	
<b>Material Advantages</b>		<b>材料优势</b>	
<ul style="list-style-type: none"><li>• Excellent heat resistance</li><li>• Excellent mechanical properties</li><li>• Perfect adhesion to PP</li><li>• Perfect surface finish</li><li>• Tested according PV3930 for outdoor use</li></ul>		<ul style="list-style-type: none"><li>• 卓越的耐热性</li><li>• 卓越的机械性能</li><li>• 完美 PP 包胶</li><li>• 完美的表面光洁度</li><li>• 室外使用按照 PV3930 标准测试</li></ul>	

## THERMOLAST® A

### Series 系列 UV/AD1

The UV/AD1 Series is your material solution for applications requiring high UV resistance and adhesion to polar thermoplastics such as PC, ABS, PC/ABS. It is particularly appropriate for automotive exterior components.

UV/AD1系列是用于抗高紫外线应用的材料解决方案。它特别适用于汽车外饰部件。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TAxAOZ	38-80 Shore A	Black 黑色	PC  ABS  PC/ABS
<b>Typical Applications</b>		<b>典型应用</b>	
<ul style="list-style-type: none"><li>• Handles</li><li>• Seals for windows and doors</li></ul>		<ul style="list-style-type: none"><li>• 手柄</li><li>• 门窗密封件</li></ul>	
<b>Material Advantages</b>		<b>材料优势</b>	
<ul style="list-style-type: none"><li>• Easy flowing</li><li>• Excellent adhesion</li><li>• Perfect surface finish</li><li>• UV resistance</li><li>• Excellent resistance against oil and grease</li></ul>		<ul style="list-style-type: none"><li>• 易于流动</li><li>• 卓越的粘合性</li><li>• 完美的表面光洁度</li><li>• 抗紫外线性</li><li>• 卓越的耐油脂性</li></ul>	

Series 系列  
**LTP**

The LTP Series is your material solution for sealings requiring high temperature resistance. The compounds are characterized by an excellent adhesion to PP.

LTP 系列是用于耐高温性能密封件的材料解决方案。这类化合物的特点在于卓越的PP的包胶性。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TVxLVN	50-89 Shore A	Natural 本色	PP
• TVxLVZ	50-89 Shore A	Black 黑色	
<b>Typical Applications 化合物名称</b>		<b>典型应用</b>	
<ul style="list-style-type: none"> <li>• Fastenings</li> <li>• Grommets</li> <li>• Seals</li> </ul>		<ul style="list-style-type: none"> <li>• 紧固</li> <li>• 垫圈</li> <li>• 密封件</li> </ul>	
<b>Material Advantages</b>		<b>材料优势</b>	
<ul style="list-style-type: none"> <li>• Adhesion to PP</li> <li>• Excellent heat resistance up to 140 °C</li> <li>• Excellent hysteresis behaviour</li> <li>• Excellent mechanical properties</li> <li>• Exceptional long-term compression set</li> </ul>		<ul style="list-style-type: none"> <li>• 包胶 PP</li> <li>• 卓越的耐热性, 可高达140 °C</li> <li>• 卓越的滞回性能</li> <li>• 卓越的机械性能</li> <li>• 优异的长期压缩形变</li> </ul>	



Series 系列  
UV/HF

The UV/HF Series is your material solution for applications requiring high UV resistance and high flow ability. It is particularly appropriate for automotive exterior components.

UV/HF 系列为要求高抗紫外线性及高流动性的应用提供了材料解决方案，尤其适用于汽车外饰部件。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TCxWEZ	52-72 Shore A	Black 黑色	PP
Typical Applications		典型应用	
<ul style="list-style-type: none"> <li>• Cowls gaskets</li> <li>• Roof rims</li> <li>• Water deflectors</li> <li>• Window encapsulations</li> </ul>		<ul style="list-style-type: none"> <li>• 通风隔栅垫片</li> <li>• 车顶架</li> <li>• 导水器</li> <li>• 窗密封件</li> </ul>	
Material Advantages		材料优势	
<ul style="list-style-type: none"> <li>• Easy flowing</li> <li>• Excellent processing behavior</li> <li>• Perfect adhesion to PP</li> <li>• Tested according PV3930 for outdoor use</li> </ul>		<ul style="list-style-type: none"> <li>• 易于流动</li> <li>• 卓越的加工性能</li> <li>• 完美 PP包胶</li> <li>• 室外使用按照 PV3930 标准测试</li> </ul>	

THERMOLAST® K

Series 系列  
UV/HF/SF

The UV/HF/SF Series is your material solution for applications requiring high UV resistance, perfect surface finish and high flow ability. It is particularly appropriate for automotive exterior components.

UV/HF/SF 系列能够为要求抗高紫外线性、完美表面光洁度及高流动性的应用提供最佳材料解决方案，特别适用于汽车外饰部件。要求抗高紫外线性、完美表面光洁度及高流动性的应用。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TCxHFZ	49-86 Shore A	Black 黑色	PP
Typical Applications		典型应用	
<ul style="list-style-type: none"> <li>• Cowls gaskets</li> <li>• Roof rims</li> <li>• Water deflectors</li> <li>• Window encapsulations</li> </ul>		<ul style="list-style-type: none"> <li>• 导水器</li> <li>• 窗密封件</li> <li>• 车顶架</li> <li>• 通风隔栅垫片</li> </ul>	
Material Advantages		材料优势	
<ul style="list-style-type: none"> <li>• Easy flowing</li> <li>• Excellent processing behavior</li> <li>• Perfect adhesion to PP</li> <li>• Perfect surface finish</li> <li>• Tested according PV3930 for outdoor use</li> </ul>		<ul style="list-style-type: none"> <li>• 易于流动</li> <li>• 卓越的加工性能</li> <li>• 完美 PP包胶</li> <li>• 完美的表面光洁度</li> <li>• 室外使用按照 PV3930 标准测试</li> </ul>	

# THERMOLAST® V

## Series 系列 LTP /PA

The LTP/PA Series is your material solution for sealings requiring high temperature resistance. The compounds are characterized by an excellent adhesion to PA.

LTP/PA 系列是用于要求耐高温性能密封件的材料解决方案。这类化合物的特点在于卓越的对 PA 的包胶性。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TVxVAZ	53-80 Shore A	Black 黑色	PA
• TVxVAN	60-80 Shore A	Natural 本色	
Typical Applications 典型应用		典型应用	
<ul style="list-style-type: none"><li>• Fastenings</li><li>• Grommets</li><li>• Seals</li></ul>		<ul style="list-style-type: none"><li>• 紧固件</li><li>• 垫圈</li><li>• 密封件</li></ul>	
Material Advantages 材料优势		材料优势	
<ul style="list-style-type: none"><li>• Adhesion to PA6 and PA6.6 up to 50 % glass fiber</li><li>• Excellent heat stability</li><li>• Exceptional long-term compression set</li><li>• UL 94 HB listed</li></ul>		<ul style="list-style-type: none"><li>• 包胶PA 6和PA 6.6玻纤量可高达50%</li><li>• 卓越的热稳定性</li><li>• 优异的长期压缩形变</li><li>• UL 94 HB 认证</li></ul>	

Series 系列  
**AD/PAX/CR**

The AD/PAX/CR Series is your material solution for two-component-seals in electronic applications and soft-touch grips and handles of machine tools. The material provides an excellent resistance to skin oils, sun cream, olive oil and acetone, accompanied by outstanding adhesion properties to semi-aromatic polyamides and polyarylamides such as PA 12, PA 6 and PA 6.6. The series is available in natural and black colors.

AD/PAX/CR系列是用于电子双组件密封和机械工具的软质把手和手柄的材料解决方案。该材料拥有卓越的抗皮肤油脂、防晒霜、橄榄油及丙酮的性能，还有杰出对 PA 12、PA 6和 PA 6.6等半芳香族聚酰胺和聚丙烯酰胺的包胶性能。该系列拥有本色和黑色可供选择。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• OCxOAN	60-78 Shore A	Natural 本色	PA
• OCxOAZ	60-79 Shore A	Black 黑色	
Typical Applications		典型应用	
<ul style="list-style-type: none"> <li>• Connectors</li> <li>• Handles</li> <li>• Seals</li> </ul>		<ul style="list-style-type: none"> <li>• 连接器</li> <li>• 手柄</li> <li>• 密封件</li> </ul>	
Material Advantages		材料优势	
<ul style="list-style-type: none"> <li>• Easy colorability</li> <li>• Excellent adhesion to semi-aromatic Polyamides (PAX), Polyarylamides (PARA), Polyamides like PA 12, PA 6 and PA 6.6</li> <li>• Excellent mechanical properties</li> <li>• Resistance against skin oils, sunscreens, olive oil and acetone</li> <li>• UL 94 HB listed</li> </ul>		<ul style="list-style-type: none"> <li>• 易于着色</li> <li>• 对半芳香族聚酰胺 (PAX)、聚丙烯酰胺 (PARA) 和聚酰胺 (如 PA 12、PA 6 和 PA 6.6) 具有卓越的包胶性</li> <li>• 卓越的机械性能</li> <li>• 抗皮肤油脂、防晒霜、橄榄油和丙酮</li> <li>• UL 94 HB 认证</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):

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

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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： <b>(a-i) 手动文本搜索</b></p>	
	<p>或 <b>(a-ii) 引导式搜索</b></p>	
	<p>和/或 <b>(b) 向下滚动， 查看“搜索结果”。</b> 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。







# AUTOMOTIVE

Discover the infinite and exciting possibilities in exterior and interior automotive applications and under-the-hood functions. OEM standards-approved materials, excellent weathering, temperature and compression resistance, advanced adhesion technology, superior haptics 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)

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KRAIBURG TPE Corporation

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

**ASIA PACIFIC: Kuala Lumpur, Malaysia**

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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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