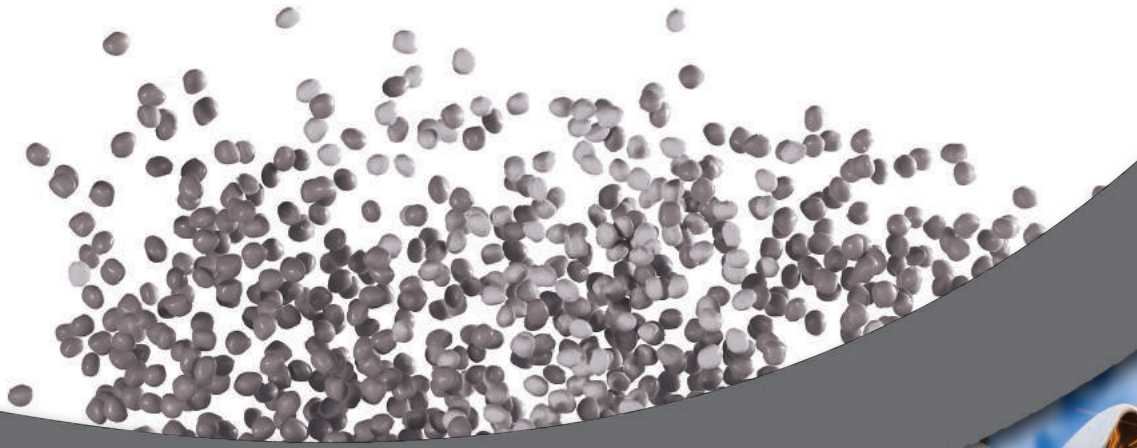


INDUSTRY

工业用途



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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。

EMPOWERING INDUSTRY APPLICATIONS

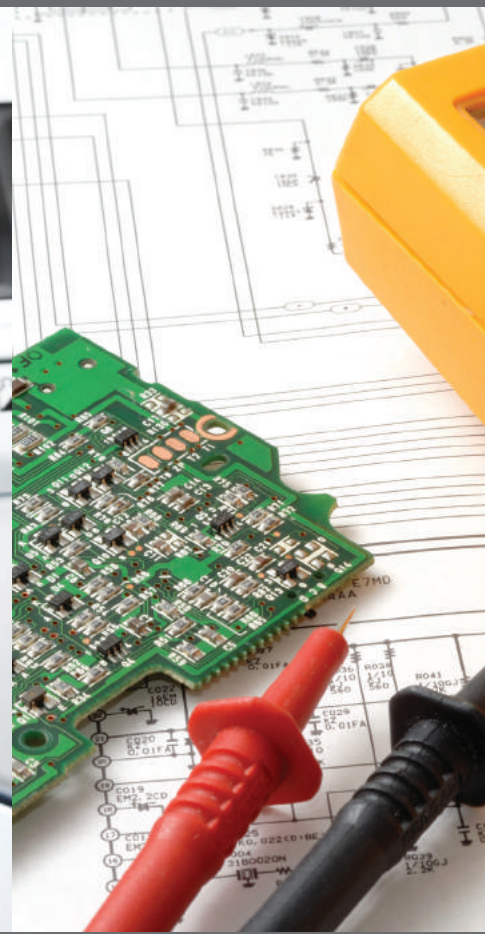
KRAIBURG TPE empowers industry wide applications for the power tools, building, construction, agriculture and electronics industries. Our superior TPE compounds are engineered to be durable, shock and vibration absorbent, chemical and fluid resistant with superb weatherability for heavy-duty applications.

Our high performance TPEs also bring innovations to consumer electronic products, such as impact resistance to protect sensitive electronics, sweat and cosmetics oils resistance, and more. Our TPEs also provide excellent ergonomics, design capabilities and aesthetic value.

凯柏胶宝的热塑性弹性体广泛应用于建筑、施工、农业、电子、电动工具等大行业各。我们的热塑性弹性体 (TPE) 化合物的设计以耐用，抗冲击及用有防振动的吸收，可抗化学品和液体的侵蚀，极为适合重型应用。

凯柏胶宝热塑性弹性体 (TPE) 化合物性能出色，可帮助提升电子消费用品的抗冲击性、耐汗性和耐油脂性（化妆品）。同时，还可凸显产品设计、美学与人体工学方面的附加价值。







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	
<ul style="list-style-type: none"> ▪ Door seal ▪ Function and design elements ▪ Grommets ▪ Handles (hand tools and power tools etc.) ▪ Seals ▪ Thumb wheels 		<ul style="list-style-type: none"> • 门封条 • 功能和设计要素 • 垫圈 • 手柄（手动工具和电动工具等） • 密封件 • 拨轮 	
Material Advantages		材料优势	
<ul style="list-style-type: none"> • Easy colorability • Excellent adhesion • Excellent processing behavior • Insert molding possible • Pleasant surface feel (Soft touch) • UL 94 HB listed • UV resistance 		<ul style="list-style-type: none"> • 易于着色 • 卓越的加工性能 • 卓越的粘合性 • 可以嵌件成型 • 舒适的表面触感（柔和的触感） • UL 94 HB 认证 • 抗紫外线 	

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	
<ul style="list-style-type: none"> • Fastenings • Grommets • Membranes • Seals 		<ul style="list-style-type: none"> • 紧固件 • 垫圈 • 薄膜 • 密封件 	
Material Advantages		材料优势	
<ul style="list-style-type: none"> • Easy colorability • Excellent compression set • Insert molding possible • UL 94 HB listed 		<ul style="list-style-type: none"> • 易于着色 • 卓越的压缩形变 • 可以嵌件成型 • UL 94 HB 认证 	

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	
Typical Applications		典型应用	
<ul style="list-style-type: none"> • Cable clips • Function and design elements • Grommets • Handles (hand tools and power tools etc.) • Seals • Thumb wheels 		<ul style="list-style-type: none"> • 缆线卡钩 • 功能和设计要素 • 垫圈 • 手柄（手动工具和电动工具等） • 密封件 • 拨轮 	
Material Advantages		材料优势	
<ul style="list-style-type: none"> • Adhesion to PA 6 and PA 6.6 up to 50 % glass fiber • Easy colorability • Excellent adhesion • Excellent processing behavior • Insert molding possible • Pleasant surface feel (Soft touch) • UL 94 HB listed • Wide hardness range 23-80 Sh A • UV resistance 		<ul style="list-style-type: none"> • 包胶 PA 6 和 PA 6.6 玻纤量可高达 50% • 易于着色 • 卓越的粘合性 • 卓越的加工性能 • 可以嵌件成型 • 舒适的表面触感（柔和的触感） • UL 94 HB 认证 • 宽硬度范围: 23 - 80 Sh A • 抗紫外线性 	

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"> • Fastenings • Grommets • Membranes • Seals 		<ul style="list-style-type: none"> • 紧固件 • 垫圈 • 薄膜 • 密封件 	
Material Advantages		材料优势	
<ul style="list-style-type: none"> • Easy colorability • Excellent compression set • Insert molding possible • UL 94 HB listed 		<ul style="list-style-type: none"> • 易于着色 • 卓越的压缩形变 • 可以嵌件成型 • UL 94 HB 认证 	

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"> • Function and design elements • Grommets • Handles (hand tools and power tools etc.) • Seals • Thumb wheels 		<ul style="list-style-type: none"> • 功能和设计要素 • 垫圈 • 手柄（手动工具和电动工具等） • 密封件 • 拨轮 	
Material Advantages		材料优势	
<ul style="list-style-type: none"> • Easy colorability • Excellent adhesion • Excellent processing behavior • Insert molding possible • Patented system for TPS and POM • Pleasant surface feel (Soft touch) • UV resistance 		<ul style="list-style-type: none"> • 易于着色 • 卓越的加工性能 • 卓越的粘合性 • 可以嵌件成型 • TPS和 POM 专利系统 • 舒适的表面触感（柔和的触感） • 抗紫外线性 	

THERMOLAST® K

Series 系列

DW

The DW Series is your material solution for applications in contact with drinking water. The compounds are approved in accordance with all relevant European drinking water standards – DVGW, W270, KTW, WRAS, ACS.

DW 系列是用于饮用水接触应用的材料解决方案。这些化合物通过了所有相关的欧洲饮用水标准(DVGW、W270、KTW、WRAS、ACS)认证。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TFxWKF	53-86 Shore A	Natural 本色	PP PE
Typical Applications		典型应用	
<ul style="list-style-type: none"> • Seals, functional and design elements in sanitary sector • Shower heads 		<ul style="list-style-type: none"> • 密封件，卫生行业的功能和设计要素 • 花洒 	
Material Advantages		材料优势	
<ul style="list-style-type: none"> • Adhesion to PP, PE • Easy colorability • For injection molding and extrusion • Smooth surface and repels dirt and lime deposit • Thermoplastic alternative material to elastomers 		<ul style="list-style-type: none"> • PP, PE包胶性能 • 易于着色 • 用于注塑成型和挤塑 • 表面光滑且不吸纳尘土和灰垢 • 弹性体的热塑性替代材料 	

Series 系列
DW/CS

The DW/CS Series is your material solution for applications in contact with drinking water as well as excellent compression set. The compounds are approved in accordance with all relevant European drinking water standards – DVGW, W270, KTW, WRAS, ACS.

DW/CS 系列是用于饮用水接触应用的材料解决方案，能提供卓越的压缩形变。这些化合物通过了所有相关的欧洲饮用水标准（DVGW、W270、KTW、WRAS、ACS）认证。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TFxWCS	58-87 Shore A	Natural 本色	
Typical Applications		典型应用	
• Seals, functional and design elements in sanitary sector		• 密封件，卫生行业的功能和设计要素	
Material Advantages		材料优势	
<ul style="list-style-type: none"> • Easy colorability • For injection molding and extrusion • Smooth surface and repels dirt and lime deposit 		<ul style="list-style-type: none"> • 易于着色 • 用于注塑成型和挤塑 • 表面光滑且不吸纳尘土和灰垢 	

THERMOLAST® K

Series 系列
DW/H

The DW/H Series is your material solution for hoses in contact with drinking water. The compounds are approved in accordance with all relevant European drinking water standards – , W270, KTW, WRAS, ACS.

DW/H 系列是用于饮用水接触软管的材料解决方案。这些化合物通过了所有相关的欧洲饮用水标准（W270、KTW、WRAS 与 ACS）认证。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TFxWHA	55-85 Shore A	Translucent 半透明	PVC-P
• TFxWHB	60-80 Shore A	Translucent 半透明	
Typical Applications		典型应用	
<ul style="list-style-type: none"> • Hoses for food application • Hoses for household appliances • Shower hoses 		<ul style="list-style-type: none"> • 食品应用软管 • 家用电器软管 • 淋浴软管 	
Material Advantages		材料优势	
<ul style="list-style-type: none"> • Alternative material to PVC-P • Code of Federal Regulations, Title 21 (CFR 21) "FDA" • Easy coloring (compounds in natural colors) • Easy to extrude • Excellent kinking performance • Precolored with all approvals • Recyclable • Regulation (EU) No. 10/2011 • Smooth surface and repels dirt and lime deposit • WRAS, W270, ACS and KTW approved 		<ul style="list-style-type: none"> • PVC-P 的替代材料 • 美国FDA联邦法规第21篇 (CFR21) • 易于着色 (拥有自然色) • 易于挤出 • 卓越的弯折性能 • 预着色通过所有认证 • 可回收 • 法规 (欧盟) 10/2011 • 表面光滑且不吸纳尘土和灰垢 • 通过 WRAS、W270、ACS 和 KTW 认证 	

THERMOLAST® K

Series 系列 FR/AD1

The FR/AD1 Series is your material solution for applications requiring high flame retardance and providing excellent adhesion to polar thermoplastics such as ABS, PC.

FR/AD1 系列是用于要求高阻燃性应用的材料解决方案，能提供卓越的 ABS、PC、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
• TCxMFN	60-80 Shore A	Natural 本色	PC ABS
Typical Applications		典型应用	
<ul style="list-style-type: none">• Cable holders• Electric and electronic components• Grommets• Seals for in-wall outlets• Seals for switch boxes		<ul style="list-style-type: none">• 电缆支架• 电气电子部件• 垫圈• 入墙插座密封件• 开关盒密封件	
Material Advantages		材料优势	
<ul style="list-style-type: none">• Easy coloring (compounds in natural colors)• Excellent adhesion• Halogen free (reduction of toxic fire gases) acc. IEC 61249-2-21• Insert molding possible• Self-extinguishing, no dripping of flaming particles• UL 94-V0 (3mm) listed		<ul style="list-style-type: none">• 易于着色 (拥有自然色)• 卓越的粘合性• 无卤素 (减少有毒燃烧气体) acc. IEC 61249-2-21• 可以嵌件成型• 自动熄灭, 无燃烧颗粒滴落• UL 94-V0 (3 毫米) 认证	

THERMOLAST® K

Series 系列 FR/AP

The FR/AP Series is your material solution for applications requiring high flame retardance.

The compounds are halogen-free and available in natural and black colors.

FR/AP 系列是用于高阻燃性应用的材料解决方案。该化合物无卤素，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
• TCxFLN	39-88 Shore A	Natural 本色	
• TCxFLZ	39-88 Shore A	Black 黑色	
Typical Applications		典型应用	
<ul style="list-style-type: none">• Cable clips• Cable holders• Electric and electronic components• Seals for switch boxes		<ul style="list-style-type: none">• 缆线卡钩• 电缆支架• 电气电子部件• 开关盒密封件	
Material Advantages		材料优势	
<ul style="list-style-type: none">• Easy colorability• Excellent mechanical properties• Halogen-free (reduction of toxic fire gases)• Self-extinguishing, no dripping of flaming particles• UL 94-V0 (3mm) listed		<ul style="list-style-type: none">• 易于着色• 卓越的机械性能• 无卤素 (减少有毒燃烧气体)• 自动熄灭, 无燃烧颗粒滴落• UL 94-V0 (3 毫米) 认证	

Series 系列
GP/AP

The GP/AP Series is your material solution for technical applications with excellent adhesion to PP. The compounds are available in natural and black colors.

GP/AP 系列是用于需要卓越包胶性能技术应用的材料解决方案，能包胶PP。该化合物拥有自然色和黑色可供选择。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TCxTPN	23-94 Shore A	Natural 本色	PP
• TCxTPZ	23-94 Shore A	Black 黑色	
Typical Applications		典型应用	
<ul style="list-style-type: none"> • Function and design elements • Handles (tools, tool boxes, ski poles) • Soft touch for grips, switches and mats 		<ul style="list-style-type: none"> • 功能和设计要素 • 手柄 (工具、工具箱、滑雪杖) • 把手、开关和橡胶垫的柔软触感 	
Material Advantages		材料优势	
<ul style="list-style-type: none"> • Adhesion to PP • Easy colorability • Easy flowing • Excellent mechanical properties • Good weathering resistance 		<ul style="list-style-type: none"> • 包胶 PP • 易于着色 • 易于流动 • 卓越的机械性能 • 良好的耐候性 	

THERMOLAST® K

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。该化合物拥有本色或黑色可供选择。

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	
Typical Applications		典型应用	
<ul style="list-style-type: none"> • Function and design elements • Handles (tools, tool boxes, ski poles) • Seals • Soft touch surface (thumb wheels, push buttons, switches) 		<ul style="list-style-type: none"> • 功能和设计要素 • 手柄 (工具、工具箱、滑雪杖) • 密封件 • 软质表面 (拨轮、按键、开关) 	
Material Advantages		材料优势	
<ul style="list-style-type: none"> • Adhesion to PP • Easy colorability • Excellent mechanical properties • Excellent processing behavior • Pleasant surface feel (Soft touch) • UL 94 HB listed 		<ul style="list-style-type: none"> • 包胶 PP • 易于着色 • 卓越的机械性能 • 卓越的加工性能 • 舒适的表面触感 (柔和的触感) • UL 94 HB 认证 	

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系列是用于要求高耐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
Typical Applications		典型应用	
<ul style="list-style-type: none">• Function and design elements• Handles (tools, tool boxes, ski poles)• Soft touch surface (thumb wheels, push buttons, switches)		<ul style="list-style-type: none">• 功能和设计要素• 手柄 (工具、工具箱、滑雪杖)• 软质表面 (拨轮、按键、开关)	
Material Advantages		材料优势	
<ul style="list-style-type: none">• Adhesion to PP• Easy colorability• Excellent abrasion resistance• Excellent mechanical properties• Excellent scratch resistance• Pleasant surface feel (Soft touch)		<ul style="list-style-type: none">• 包胶 PP• 易于着色• 卓越的耐磨性• 卓越的机械性能• 卓越的耐刮擦性• 舒适的表面触感 (柔和的触感)	

THERMOLAST® K

Series 系列 UV/AP

The UV/AP Series is your material solution for applications requiring high UV resistance.

UV/AP 系列是用于抗高紫外线应用的材料解决方案。

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
Typical Applications		典型应用	
<ul style="list-style-type: none">• Roof rims• Water deflectors• Window encapsulations		<ul style="list-style-type: none">• 屋顶边缘• 导水器• 窗密封件	
Material Advantages		材料优势	
<ul style="list-style-type: none">• Adhesion to PP• Easy flowing• Excellent mechanical properties• Excellent UV and weather resistance		<ul style="list-style-type: none">• 包胶 PP• 易于流动• 卓越的机械性能• 卓越的抗紫外线性和耐候性	

Series 系列
UV/LD/b

The UV/LD/b Series is your material solution for applications requiring high UV resistance.
UV/LD/b 系列是用于抗高紫外线应用的材料解决方案。

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
Typical Applications		典型应用	
<ul style="list-style-type: none"> • Cowl gaskets • Roof rims • Water deflectors • Window encapsulations 		<ul style="list-style-type: none"> • 通风隔栅垫片 • 屋顶边缘 • 导水器 • 窗密封件 	
Material Advantages		材料优势	
<ul style="list-style-type: none"> • Excellent heat resistance • Excellent mechanical properties • Perfect adhesion to PP • Perfect surface finish • Tested according PV3930 for outdoor use 		<ul style="list-style-type: none"> • 卓越的耐热性 • 卓越的机械性能 • 完美PP包胶 • 完美的表面光洁度 • 室外使用按照 PV3930 标准测试 	

THERMOLAST® K

Series 系列
VS/AD/HM

The VS/AD/HM Series is your material solution for applications where a velvet surface, excellent adhesion to polar thermoplastics, excellent wear resistance as well as very good chemical resistance in particular against sebum are required.

如果您的应用中需要舒适表面、对极性热塑性材料的卓越包胶性、超高撕裂强度以及对油脂为主的物质的良好化学稳定性，VS/AD/HM 系列就是您的首选材料解决方案。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• TCxCEN	61-71 Shore A	Natural 本色	PC ABS PC/ABS ASA SAN PA
• TCxCEZ	62-72 Shore A	Black 黑色	
Typical Applications		典型应用	
<ul style="list-style-type: none"> • Cell phone cases • Cosmetic packaging • Headphones • Remote controls • Wearables 		<ul style="list-style-type: none"> • 手机套 • 化妆品包装 • 耳机 • 遥控器 • 可穿戴设备 	
Material Advantages		材料优势	
<ul style="list-style-type: none"> • Chlorine-Bromine test: (Cl+Br) < 900 ppm • Easy coloring and excellent color-stability • Easy processing • Excellent abrasion resistance • Excellent adhesion to PA6 and PA12 • Excellent adhesion to PC, ABS, PC/ABS, ASA, SAN • Excellent mechanical properties • Excellent scratch resistance • Smooth and silky surface • Very good chemical resistance against sebum and sun screen 		<ul style="list-style-type: none"> • 氯-溴测试: (Cl+Br) < 900 ppm • 易于着色, 拥有卓越的颜色稳定性 • 易于加工 • 卓越的耐磨性 • 对 PA6 和 PA12 具有优异的包胶性 • 对 PC、ABS、PC/ABS、ASA 和 SAN 具有优异的包胶性 • 卓越的机械性能 • 卓越的耐刮擦性 • 光滑的丝光表面 • 对皮肤分泌油脂和防晒霜具有极好的化学稳定性 	

THERMOLAST® A

Series 系列 UV/AD1

The UV/AD1 Series is your material solution for applications requiring a 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，能包胶极热性热塑性材料，如PC, ABS, PC/ABS。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
Typical Applications		典型应用	
<ul style="list-style-type: none">• Handles (hand tools and power tools etc.)• Seals for windows and doors		<ul style="list-style-type: none">• 手柄（手动工具和电动工具等）• 门窗密封件	
Material Advantages		材料优势	
<ul style="list-style-type: none">• Easy flowing• Excellent adhesion• Perfect surface finish• UV resistance• Excellent resistance against oil and grease		<ul style="list-style-type: none">• 易于流动• 卓越的粘合性• 完美的表面光洁度• 抗紫外线性• 卓越的耐油脂性	

THERMOLAST® V

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	
Typical Applications		典型应用	
<ul style="list-style-type: none">• Fastenings• Grommets• Seals		<ul style="list-style-type: none">• 垫圈• 密封件• 紧固件	
Material Advantages		材料优势	
<ul style="list-style-type: none">• Adhesion to PP• Excellent heat resistance up to 140°C• Excellent hysteresis behaviour• Excellent mechanical properties• Exceptional long-term compression set		<ul style="list-style-type: none">• 包胶 PP• 卓越的耐热性，可高达140 °C• 卓越的滞回性能• 卓越的机械性能• 优异的长期压缩形变	

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	
<ul style="list-style-type: none"> • Fastenings • Grommets • Seals 		<ul style="list-style-type: none"> • 密封件 • 紧固件 • 垫圈 	
Material Advantages		材料优势	
<ul style="list-style-type: none"> • Adhesion to PA6 and PA6.6 up to 50 % glass fiber • Excellent heat stability • Exceptional long-term compression set • UL 94 HB listed 		<ul style="list-style-type: none"> • 包胶 PA6 和 PA6.6, 玻纤量可高达 50% • 卓越的热稳定性 • 优异的长期压缩形变 • UL 94 HB 认证 	

Series 系列
VS/CR/AD1

The VS/CR/AD1 Series is your material solution for applications in the consumer electronics section. The series features an exceptionally silky and velvety surface, accompanied by an outstanding resistance to skin oil, sunscreen and olive oil. The compounds convince due to their excellent adhesion to technical thermoplastics such as ABS, PC and PC/ABS.

VS/CR/AD1 系列是用于消费电子行业应用的材料解决方案。该系列的特点在于拥有优异丝感和绒感的表面，还拥有杰出的耐护肤油、防晒霜及橄榄油的性能。由于拥有卓越的对 ABS、PC 和 PC/ABS 等技术级热塑性材料的包胶性能，这类化合物令人信赖。

Compound Name 化合物名称	Hardness 硬度	Color 颜色	Adhesion 包胶
• CCxFDN	67-73 Shore A	Natural 本色	PC ABS PC/ABS
Typical Applications		典型应用	
<ul style="list-style-type: none"> • Cable clips • Cable holders • Game consoles • Grip applications • Grommets • Handles (hand tools and power tools etc.) • Headphones • Razors • Remote controls • Seals • Soft touch 		<ul style="list-style-type: none"> • 缆线卡钩 • 电缆支架 • 游戏主机 • 把手应用 • 密封件 • 手柄（手动工具和电动工具等） • 耳机 • 剃须刀 • 遥控器 • 垫圈 • 软触感 	
Material Advantages		材料优势	
<ul style="list-style-type: none"> • Easy coloring (compounds in natural colors) • Excellent adhesion • Excellent mechanical properties • Excellent processing behavior • For injection molding • Insert molding possible • Perfect surface finish • Resistance against skin oils, sunscreens, olive oil and acetone • Smooth and silky surface • UL 94 HB listed 		<ul style="list-style-type: none"> • 易于着色 (拥有自然色) • 卓越的粘性 • 卓越的机械性能 • 卓越的加工性能 • 用于注塑成型 • 可以嵌件成型 • 完美的表面光洁度 • 耐护肤油、防晒霜、橄榄油和丙酮 • 光滑的丝光表面 • UL 94 HB 认证 	

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"> Attenuators for electronic housings Connectors Handles (Powertool) Seals Seals for computer and laptop screens Seals for housings 		<ul style="list-style-type: none"> 电器外壳消声器 连接器 手柄（电动工具） 密封件 计算机和笔记本电脑的显示屏密封件 机壳密封件 	
Material Advantages 材料优势			
<ul style="list-style-type: none"> Easy colorability Excellent adhesion to semi-aromatic Polyamides (PAX), Polyarylamides (PARA), Polyamides like PA 12, PA 6 and PA 6.6 Excellent mechanical properties Resistance against skin oils, sunscreens, olive oil and acetone UL 94 HB listed 		<ul style="list-style-type: none"> 易于着色 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 卓越的机械性能 抗皮肤油脂、防晒霜、橄榄油和丙酮 UL94HB 认证 	

TECHNICAL INFO AT A CLICK




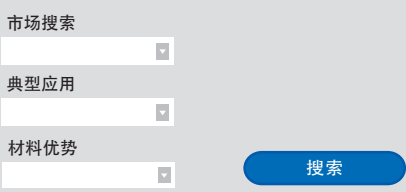

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步骤 4	开始搜索： (a-i) 手动文本搜索	
	或 (a-ii) 引导式搜索	
	和/或 (b) 向下滚动， 查看“搜索结果”。 点击所需的系列名称， 下载所需的数据表 (PDF 格式)。	 选择并下载

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。





INDUSTRY

Empower a wide scope of industry-wide applications with our superior adhesion technology, industry-approved materials, outstanding compression set, shock and vibration absorbent qualities, exceptional chemical and fluid resistance properties and more!

Headquarters: Germany

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E-Mail: info@kraiburg-tpe.com

AMERICAS: Atlanta, USA

KRAIBURG TPE Corporation
E-Mail: info-americas@kraiburg-tpe.com

ASIA PACIFIC: Kuala Lumpur, Malaysia

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

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

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