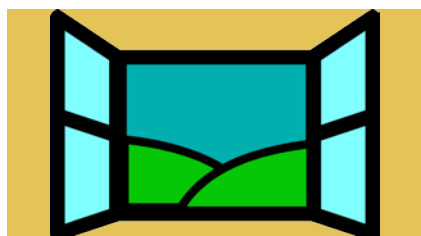


节能行动 Energy-saving Activities



太阳能屋顶
Solar Roof



中空玻璃
Insulating Windows



智能照明
Smart Lighting



设备升级
Machine Upgrading



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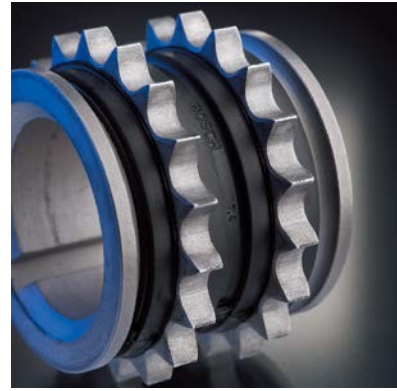
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克莱伯格橡胶 (苏州) 有限公司
KRAIBURG Rubber (Suzhou) Co., Ltd.

www.KRAIBURG.cn





KRAIWEAR®
a product of KRAIBURG Rubber (Suzhou) Co., Ltd.



混炼橡胶定制化解决方案
Tailor Made Solutions in Rubber Compounding



社会责任
CSR

克莱伯格橡胶（苏州）有限公司
KRAIBURG Rubber (Suzhou) Co., LTD

克莱伯格橡胶（苏州）有限公司起源于德国巴伐利亚，成立于2005年，是克莱伯格集团旗下的独立经营实体，专业生产橡胶混炼胶。公司秉承一贯的宗旨和理念，为中国和亚太客户提供“橡胶方面的创意和解决方案”。依据德国标准建立的强大研发团队，为帮助不同的客户在市场上取得竞争优势提供了保障。结合多年实践经验和市场需求，2020年，我们推出了首个用于可穿戴设备的混炼胶品牌——**KRAIWEAR®**。

克莱伯格1947年在德国成立，并先后在奥地利、瑞士、美国、中国等成立了10多家兄弟公司。今天，经过70多年的实践，凭借出色的产品质量，克莱伯格已成为享誉全球的橡胶集团公司，并被誉橡胶行业的顶级专家。

克莱伯格拥有三千多个出自不同化合物的商业配方和四万多个实验室配方，因此可为几乎任何使用需求提供实用的解决方案。克莱伯格能够和客户一起开发、改进产品，根据客户的每项工艺条件和应用提供定制化的混炼胶产品。

克莱伯格的成功是基于高质量的产品、一流的服务以及创新开发。而这些成绩源于我们在研发、生产工艺、技术支持、物流管理等方面的专业水准。

As an independent entity under the KRAIBURG Holding GmbH, KRAIBURG Rubber Suzhou was originated from Bavaria, Germany and set up in 2005 specializing in manufacturing rubber compounds. We follow the rules and offer “ideas and solutions in rubber” to customers in China and other parts of Asia. Our strong development team, set up according to German standards, ensures to assist various customers in gaining competitive advantage. In 2020, combined with years of practical experience and increasing market demand, we launched our first rubber compound brand - **KRAIWEAR®** for the wearables market.

KRAIBURG was founded in 1947 in Germany and then established over ten sister companies in Austria, Switzerland, United States and China respectively. Today, with more than 70 years of practice KRAIBURG is regarded as the **leading specialist** in rubber industry and a well-known group of companies with outstanding product quality.

KRAIBURG offers practical solutions for every purpose, created from more than 3,000 commercially available formulas and around 40,000 development compounds out of all kinds of elastomers. Together with the customer, the KRAIBURG team can develop or modify custom compounds for each individual application or processing method.

KRAIBURG's success is based on high-quality products and a first-class service combined with innovation and development of future technologies. These achievements are due to our **professional** standard in development, processing, technical service and logistics.



IATF16949 认证（含产品设计）



IATF16949 certificate (including product design)

克莱伯格集团现有雇员约 2500 名，其中 10% 以上的员工从事研发和品质保证工作。公司全体同仁为保持并提升我们的市场领先地位而不断做出努力。

我们的目标和动力是“用我们优质的产品和服务，帮助世界各地的客户取得成功”。

The KRAIBURG Group currently has about 2500 employees with more than 10% staff working in research, development and quality assurance. Together, we are dedicated to maintain and expand our leading position in the market.

Our target and motivation is to “help our global customers successful with our excellent products and services”.

年份 Year	地点 City	公司 Company	产品 Business
1947	德国 Waldkraiburg Waldkraiburg Germany	克莱伯格橡胶有限公司 Gummiwerk KRAIBURG GmbH & Co. KG	橡胶混炼胶 Rubber compound
1965	奥地利 Geretsberg Geretsberg Austria	克莱伯格奥地利 Gesellschaft 有限公司 KRAIBURG Austria GmbH & Co. KG	轮胎翻新材料 Tyre retreading
1968	德国 Tittmoning Tittmoning Germany	克莱伯格 ELASTIK 有限公司 Gummiwerk KRAIBURG Elastik GmbH & Co. KG	再生胶 Recycled rubber
1971	瑞士 Dagmarsellen Dagmarsellen Switzerland	GEZOLAN AG 公司 GEZOLAN AG	体育场地材料 Materials for sports grounds
1991	德国 Salzwedel Salzwedel Germany	克莱伯格 Relastec 有限公司 Gummiwerk KRAIBURG Relastec GmbH & Co. KG	再生胶 Recycled rubber
2001	德国 Waldkraiburg Waldkraiburg Germany	克莱伯格热塑性弹性体有限公司 KRAIBURG TPE GmbH & Co. KG	热塑性弹性体 TPE
2002	奥地利 Geretsberg Geretsberg Austria	克莱伯格 Walzenfertigung 有限公司 KRAIBURG Walzenfertigung GmbH	胶辊 Rubber Roller
2002	美国 Atlanta USA	克莱伯格热塑性弹性体有限公司 KRAIBURG TPE Corp.	热塑性弹性体 TPE
2005	中国苏州 Suzhou China	克莱伯格橡胶 (苏州) 有限公司 KRAIBURG Rubber (Suzhou) Co., Ltd.	橡胶混炼胶 Rubber compound
2008	马来西亚 Kuala Lumpur Kuala Lumpur Malaysia	克莱伯格热塑性弹性体 KRAIBURG TPE (M) SDN BHD	热塑性弹性体 TPE
2015	德国 Diepholz Diepholz Germany	克莱伯格 Purasys 有限公司 KRAIBURG Purasys GmbH & Co. KG	聚氨酯 Polyurethane products



我们的产品系列丰富，几乎可以满足橡胶工业中所有工艺方法的应用和需求。

我们的混炼胶适用于生产减震产品、密封件、胶管、薄膜件、雨刷、液压件、密封条、燃料箱系统等。这保证了我们的客户可以不断为主要的汽车制造厂生产高品质和多品种的橡胶配件。

来自汽车工业的要求越来越特殊，要求使用越来越多性能优异的材料。克莱伯格的研发团队时刻关注新材料的开发工作。

The range of products available at KRAIBURG is as big as the number of applications and requirements for all processing methods used in the rubber industry.

Our compounds can be used to produce different parts: antivibration parts, mounts, seals, hoses and membranes, wiper blades, parts for hydraulic systems, weatherstrips, fuel tank systems and so on. This helps our customers to be able to provide high quality and various rubber parts continuously for all major automotive manufacturers.

With increasing demands in the automotive industry, more and more specialized materials with improved properties are needed. KRAIBURG R&D team always keeps themselves up-to-date in new material development.

NBR, EPDM, FKM, VMQ
Cable sleeves and conduits

NR, CR
Windscreen wiper

EPDM
Washer system
Seals

HNBR
Chain wheel damping

FKM/ VMQ
Turbocharger hose

VMQ
Spark plug boots

FKM
Seals for injection system

EPDM
Seals for cooling circuit

AEM
Valve box seals

AEM
Vibration damper
Crankshaft

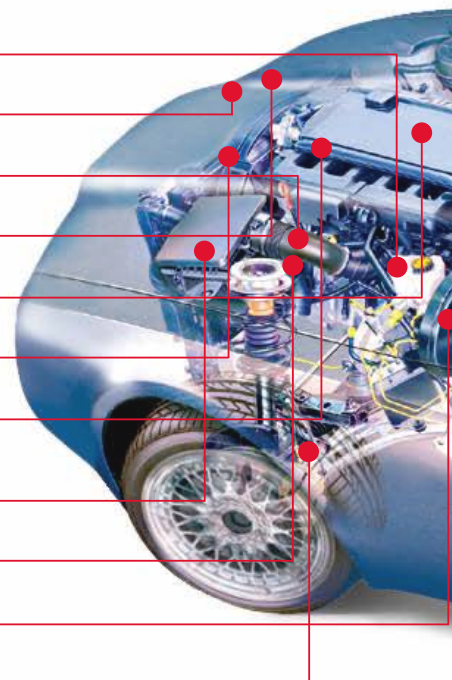
ACM
Oil / air filter seals

ACM
Gear box seals

CR
Axle and steering boots

NR
Steering couplings

EPDM, VMQ
Wing mirror seals

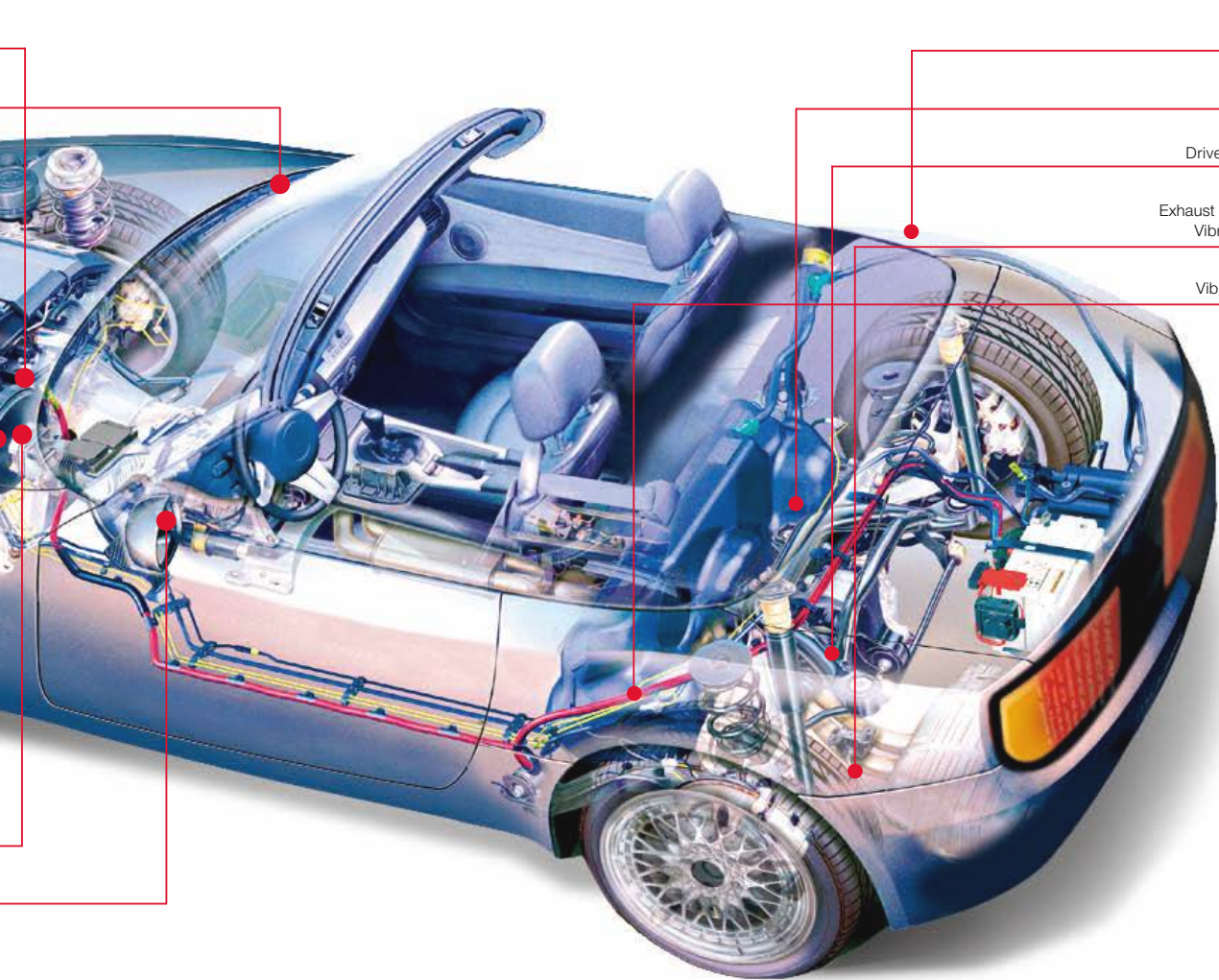


举例 Example

种类 Type	胶料名称 Compound code	应用 Application	硬度 Hardness	备注 Remark
三元乙丙橡胶 EPDM	CSAA9557/93	车窗密封条 Window sealing	70 ShoreA	
丙烯酸酯橡胶 ACM	CSVC1188/32	汽缸密封垫 Cylinder gasket	50 ShoreA	
乙烯丙烯酸酯橡胶 AEM	CSW2828/36	气缸盖罩密封圈 Cylinder head cover gasket	60 ShoreA	不含 DOTG DOTG free
乙烯丙烯酸酯橡胶 AEM	CSW2828/40	涡轮增压胶管 Turbo hose	70 ShoreA	
氢化丁腈橡胶 HNBR	CVT7AIZ	冷却系统密封 Cooling system sealing	70 ShoreA	
氟橡胶 FKM	CSVA9592/70	增压空气胶管 Charge air hose	75 ShoreA	符合 TL 52600 Meet TL 52600

我们会根据您的需求提供定制化混炼胶解决方案。

Simply tell us what you need, and we will provide the solution.



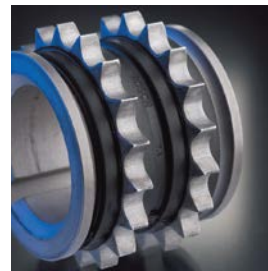
FKM
Gas cap seal

FKM
Fuel tank seals

NR
Driveshaft couplings

VMQ
Exhaust hanger element
Vibration absorber

NR, CR
Vibration absorber

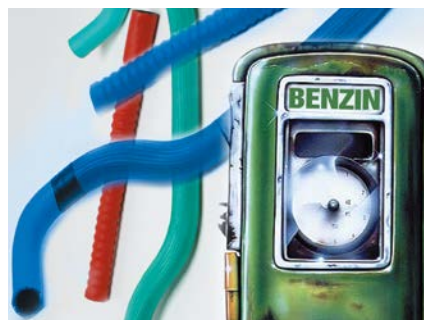


克莱伯格提供的产品范围广泛，满足几乎所有需求，可用于生产密封制品、减震器、防尘罩、传动单元，以及其他特殊应用的产品，如在高温和强腐蚀性介质等非常恶劣环境中的工件。

克莱伯格在燃油管、与饮用水接触的 EPDM、O 形圈和其它密封系统，橡胶金属构件、轴承、减震件、防尘罩、印章、传动件等都有丰富的经验。

The broad range of products available at KRAIBURG can cover nearly all requirements. This includes bumpers, dust covers or conveying elements, as well as other specialized applications, such as parts with high service temperatures and/or in contact with aggressive media.

KRAIBURG is very experienced in petrol and oil hoses, EPDM in contact with potable water, O-rings and other sealing systems, bonded rubber-to-metal parts, bearings and vibration dampers, bellows, housing covers, stamps and conveyor belt elements.



举例 Example

种类 Type	胶料名称 Compound code	应用 Application	硬度 Hardness	备注 Remark
氯磺化聚乙烯橡胶 CSM	CSHH9586/08	密封件 Sealing	65 ShoreA	
丁腈橡胶 NBR	CPP9AZZ	O 型圈 O-ring	85 ShoreA	
丁基橡胶 IIR, CIIR, BIIR	CHUT6666/61	低透气性 Low air permeability	20 ShoreA	各种颜色 Colorful
氯丁橡胶 CR	CSCC9573/58	补偿器 Compensator	65 ShoreA	
氢化丁腈橡胶 HNBR	CSVT9519/59	油井螺杆泵 Screw pumps for oil wells	80 ShoreA	
三元乙丙橡胶 EPDM	CAA7LNZ	饮用水（冷/热） Potable water hot and cold	70 ShoreA	W270
天然橡胶 NR	CSNN9560/32	减震器 Dampers	67 ShoreA	

我们会根据您的需求提供定制化混炼胶解决方案。

Simply tell us what you need, and we will provide the solution.

生胶 Polymer	石油及天然气 Oil & Gas			食品 Food			水 Water					火 Fire	汽车 Automotive							其他 Other																															
	EN 549	EN 682	GB/T-23658	FDA 177.2600	BFR	EC 1935-2004	LFGB	DGCGRF (France)	Italy Decree 21	KTW	UBA	DVGW W270	KIWA	WRAS BS 6920	WRC	NSF 61	ACS	3A Sanitary Standards	EN 45545	UL 94	Volkswagen	Mercedes	BMW	Volvo	Audi	Porsche	Flat	PSA	Hyundai / Kia	Honda	Ford	RoHS	REACH	EN 681-1	EN14241-1	Steam	High Temperature	Low Temperature	Ultra low temperature												
ACM																					C	C	C	C	C	C	C	C	C	C	C	C							C	C											
AEM (VAMAC)																						C	C	C	C	C	C	C	C	C	C	C	C									C	C	C							
XIIR (Chloro- and Bromobutyl)																																																			
CR (Chloroprene Rubber)				C	C																C	C	C	C	C	C	C	C	C	C	C	C														C					
CSM (chlorosulphonated polyethylene)																					C	C	C	C	C	C	C	C	C	C	C	C																			
ECO (Epichlorohydrine rubber)																						C	C	C	C	C	C	C	C	C	C	C																			
EPDM (Ethylene Propylene Diene Monomer)				C	C	C	C	C	C	C	C	X	X	C	X	X	X	C		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C			
FKM (Fluor Elastomer)	C	C	C	C	C	C	C	C	C	C											C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C			
HNBR (Hydrogenated Nitrile Butadiene Rubber)	C	C	C	C	C	C															C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C		
IIR (Butyl Rubber)																																																			
NBR (Nitrile Rubber)	X	C	C	C	C	C	C	C	C							X					C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C		
NR (Natural Rubber)						C	C															C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	
SBR (Styrene-Butadiene Rubber)																						C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
VMQ (Silicones)												C						X			C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	

X Certificate owned by Kraiburg C Compliant (Certified by Customers)

KRAIBURG polymer overview		天然橡胶 Natural Rubber	丁苯橡胶 Styrene Butadiene Rubber	三元乙丙橡胶 Ethylene Propylene Diene Rubber	丁基橡胶 Butyl Rubber	氯丁橡胶 Chloroprene Rubber	氯化聚乙烯-乙烯共聚物 Chloroethylene Polyethylene	氯化聚乙烯-乙烯共聚物 Chlorinated Polyethylene	氯磺化聚乙烯 Epichlorohydrine Rubber	丁腈橡胶 Nitrile Rubber	氢化丁腈橡胶 Hydrogenated Nitrile Rubber	聚醚醚橡胶 Polyetherether Rubber	丙烯酸酯橡胶 Polyacrylate rubber	乙丙橡胶 Ethylene-Acrylate Rubber	乙烯-丙烯酸酯共聚物 Ethylene-Vinyl Acetate Copolymer	氟橡胶 Fluoro Rubber	硅橡胶 Silicone Rubber	氟硅橡胶 Fluorosilicone Rubber	全氟醚橡胶 Perfluoroelastomer
国际通用符号 International Abbreviation	硬度范围 Hardness range (Shore A)	NR	SBR	EPDM	IIR	CR	CSM	CPE	CO/ECO	NBR	HNBR	EU/AU	ACM	AEM	EVM	FKM	VMQ	FVMQ	FFKM
克萊伯格橡膠代號 KRAIBURG polymer	硬度范围 Hardness range (Shore A)	NN	BB	AA	UU	CC	HH	CM	KK	PP	VT	UA	VC	VV	HZ	VA	F	FF	VF
拉伸强度 Tensile strength	25A-70D	20A-70D	20A-95A	30A-80A	20A-90A	45A-95A	60A-95A	40A-90A	20A-75D	50A-95A	55A-90A	50A-90A	50A-90A	60A-90A	50A-90A	20A-90A	40A-80A	75A-85A	
扯断伸长率 Elongation at break	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
回弹性 Rebound resilience	●	●	●	○	●	●	●	●	●	●	●	●	●	●	●	○	●	●	○
撕裂强度 Tear strength	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
耐磨性 Abrasion resistance	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
压缩永久变形 At typical long-term service	●	●	●	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
常温 At room temperature (RT)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
低温性能 (玻璃化温度) 低至, °C Low temperature performance (Tg)	-55	-45	-50	-60	-40	-30	-30	-45	-40	-40	-40	-40	-40	-40	-40	-30	-55	-60	-5
空气中的典型工作温度, °C At typical long-term service temp. in	70	90	130	130	100	120	130	130	110	150	120	150	150	160	220	220	200	320	

耐介质性能 Resistance against

耐汽油 Gasoline (FAM A at RT)	耐矿物油 Mineral oil (IRM 901 at 100 °C)	耐硫酸 Sulfuric acid (10% at RT)	耐氢氧化钠 Caustic soda (10% at RT)	耐水 Process water at 80 °C	耐候及耐臭氧 Weathering and ozone	气密性 Gas permeability in mid air												
C	C	C	C	B	B	B	B	B	B	B	B	B	B	C	A	B	B	A
C	C	C	C	B	B	B	B	A	A	A	A	A	A	B	A	B	B	A
B	B	A	A	B	A	B	B	B	B	B	B	B	B	B	A	B	B	A
B	B	A	A	B	A	B	B	B	B	B	B	B	B	B	A	B	B	A
C	C	A	C	B	A	A	A	B	B	A	A	A	A	A	A	A	A	A
B	B	C	A	B	B	B	B	B	B	A	B	B	B	B	A	B	B	A

硫化胶的性能 Performance of the vulcanized rubber

● 很高 very high ● 高 high ● 中 medium ● 低 low ○ 很低 very low

性能评价 Valuation of resistance

A 适用 Suitable B 不完全适用 limited suitability C 不适用 not suitable

请注意这些性能和应用仅仅是总体的建议，联系我们以找到最佳的解决方案。
Please note that the mentioned properties and applications are only general recommendations. Contact us to find out the best possible solution for your needs.
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KRAIWEAR®

a product of KRAIBURG Rubber (Suzhou) Co., Ltd.

- 彩色 Colorful
- 稳定 Stable
- 持续 Sustainable

优势

- 生产超过 300 种不同颜色的经验及经过验证的市场认可度
- KRAIWEAR® 材料的可回收利用，为节约成本提供了解决方案
- 基于 ISO 标准打造的洁净室和配备精良的实验室，保证了产品特性及颜色稳定性
- 通过并获得 ISO 10993 的毒性和皮肤敏感测试认证
- 可应不同客户需求提供定制化的交货形态

Advantages

- Proven recognition by the market with experience of making more than 300 different colors
- Cost saving solution due to KRAIWEAR® recyclability
- Consistent properties and color stability with ISO standard Clean Room and state-of-the-art laboratory
- Approved and certified according to ISO 10993 (Cytotoxicity and Skin Irritation Test)
- Customized delivery forms for every customer need

可穿戴设备为什么选择 FKM

氟橡胶（FKM）是一种合成橡胶，由于其独特的性能，已成为高端可穿戴产品的首选。FKM 密度高，与其他材料相比，具有优越的外观和触感特征。FKM 的属性包括：

- 耐化学品和污渍，如：汗液、皮肤油脂、食品和饮料等
- 耐久性和耐磨性
- 颜色的稳定和多样性
- 耐异味
- 耐臭氧不易开裂

Why use FKM for wearables?

FKM (Fluor elastomers) are synthetic rubbers that have become the proven choice for premium wearable products because of their unique properties. As a material with very high density, it offers superior look and feel characteristics in comparison with other materials. FKM properties include:

- Chemical and stain resistance to sweat, skin oils, food and beverage, etc.
- Durability and abrasion resistance
- Color stability and availability
- Odor resistance
- Ozone resistance to cracking

基于专业的工艺及质量管理，为您提供更好的可穿戴材料解决方案！

Providing a better wearable material solution through our process and quality management know-how!

克莱伯格：彩色混炼胶

克莱伯格橡胶（苏州）有限公司可以根据您的技术及色彩要求，生产不同颜色的混炼胶。

不只是蓝色、红色、绿色，而是

- 任何颜色
- 由浅到深

高度精密的系统

- 颜色匹配
- 颜色调节
- 材料处理
- 颜色测量

基于国际标准，我们可以做到不同批次间以及从小样到大货的颜色高度稳定性。



KRAIBURG The Color Compounder

KRAIBURG Rubber Suzhou can provide compounds of different colors according to your technical and specifications.

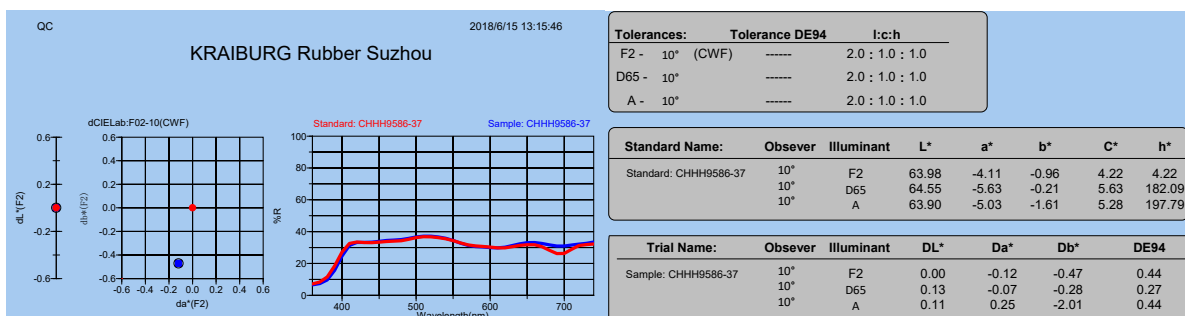
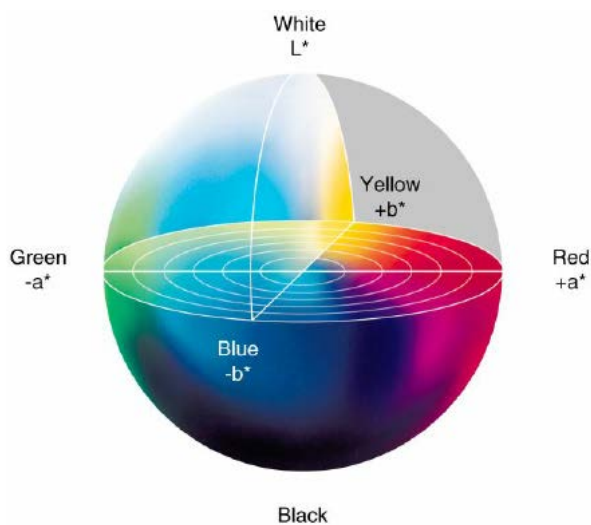
Not only Blue, Red, Green, but

- In any color
- In any shade

A high sophisticated system of

- Color matching
- Color adjusting
- Material handling
- Color measurement

According to international standards we make it possible to achieve high color stability either between batches or from small sample to mass production.



高度自动化的生产设备、先进的制造和混炼工艺，包括数据收集和分析，确保了我们的混炼胶的高品质和一致性。

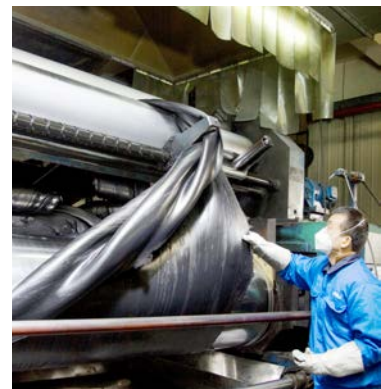
密炼后，可以通过挤出过滤提供 100 微米（150 目）甚至更低的高纯度和尺寸稳定的胶条。

这是由各种高科技技术支持的，包括销钉式挤出机、单螺杆挤出机、齿轮泵挤出机、螺杆挤出机和齿轮泵挤出机的组合。

State-of-the-art production equipment, high automation, advanced manufacturing and mixing processes, including data collection and analysis, ensure high quality and consistency of our compounds.

Beside mixing, straining down to 100 μm (150 mesh) or even less, can be offered to have high purity and dimensional stable feeding strips.

This is supported by various High-Tech Technologies, including Piston Extruder, Single Screw Extruder, Gear Pump and combinations of Screw Extruder and Gear Pump.



密炼

- 190 升密炼机 / 啮合型 (2 套)
- 45 升密炼机 / 啮合型 (2 套)
- 35 升密炼机 / 剪切型
- 20 升密炼机 / 剪切型

挤出/过滤

- 单螺杆销钉式挤出机
- 齿轮泵挤出机
- 螺杆齿轮泵挤出机 (2 套)
- 活塞式挤出机 / 预成型机

Mixing

- Internal Mixer 190 L / Intermeshing (2 sets)
- Internal Mixer 45 L / Intermeshing (2 sets)
- Internal Mixer 35 L / Tangential
- Internal Mixer 20 L / Tangential

Extrusion/Straining

- Single Screw Pin Extruder
- Gear Pump
- Extruder Gear Pump (2 sets)
- Piston Extruder / Pre-former



作为世界上最早的混炼胶生产厂商之一，克莱伯格橡胶（苏州）有限公司在厂房内建造了符合 ISO 14644-1 标准 6 级（相当于美国 FED STD 209E 1000 级）的洁净室。目前洁净室有三条生产线，其中两条线有密炼机、开炼机、冷却线，一条线有开炼机、冷却线，从而能够保证生产出高洁净度的混炼胶，应用于高标准的产品中，例如：

- 高要求的汽车领域
- 颜色要求极高的领域
- 电子电气、电器领域

我们洁净室生产的每一种混炼胶都需经过高标准的质量检验，并附有我们实验室的检验证书。

先进的生产管理系统，能够保证从最终产品追溯到每个单独的原料批次以及每个生产步骤。



As one of the first Compounding facilities in the world, KRAIBURG Rubber Suzhou has installed a clean room, according to ISO 14644-1 Class 6 (equivalent to US FED STD 209E Class 1000) into its production facility. The clean room contains two fully equipped mixing lines with open mills, batch-off and one open mill compounding line. This enables us to produce compounds under extremely clean conditions that can be used in many High-Tech applications such as:

- Automotive applications with highest requirements
- Colors that meet the highest possible standards
- Electronics applications

Every single compound which is produced in our clean room, is subject to the highest standards of inspection and quality assurance and will be accompanied by an inspection certificate from our laboratory.

Meanwhile, our advanced traceability system enables us to track every production step from final compound, backwards to the lot-numbers of each individual raw material batch.



我们生产的是超乎您想象的洁净混炼胶！
There is no compounds you have ever seen, that is so clean!

克莱伯格齐全的标准及高精度的实验室分析设备可以符合并根据各种国际标准进行测试。

With a wide range of standard and high precision laboratory analysis equipment KRAIBURG complies and is able to perform tests according to various International Standards.

测试方法

- 国家标准 GB
- 国际标准 ISO
- 德国标准 DIN
- 美国标准 ASTM、SAE
- 日本标准 JIS
- 国际汽车行业标准比如：
大众 TL、宝马、通用、戴姆勒。。。。。

Testing Method

- Chinese standard GB
- International standard ISO
- German standard DIN
- American standard ASTM, SAE
- Japanese standard JIS
- International automotive standards like
Volkswagen TL, BMW, GM, DBL...



Goettfert 毛细管流变仪
Goettfert RCR



MonTech 硫变仪
MonTech Rheometer



NETZSCH 差式扫描量热仪
NETZSCH DSC



Zwick 硬度计
Zwick Hardness tester



NETZSCH 热失重分析仪
NETZSCH TGA



红外光谱仪
FT-IR



Zwick 拉力测试机
Zwick Tensile tester

选择克莱伯格就是选择稳定的品质!

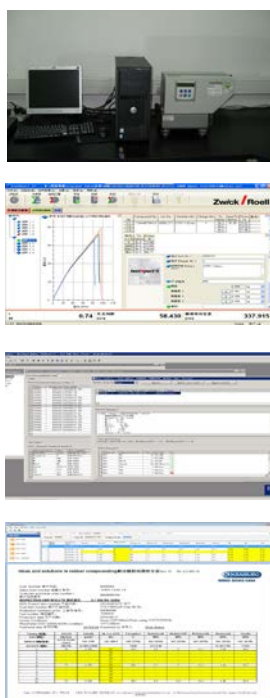
- 根据 IATF 16949/ISO 9001:2015 建立的质量管理体系
- 从原材料到混炼胶具有可追溯性
- 每一步工艺的数据存储可实现自动化生产
- 每一批次根据客户要求进行测试
- 标准测验有硫变、粘度、硬度、密度和拉伸性能
- 实验室测试数据管理系统使检索结果更高效
- 建立 ISO 14001:2015 环境管理体系



Choosing Kraiburg is choosing stable quality!

- Quality management system according to IATF 16949/ISO 9001:2015
- Full traceability from raw material to final compound
- Automated production processes with storage of relevant data from each process step
- Finally each batch is tested according to the customer's specification
- Among the standard release tests are rheology, viscosity, hardness, density and tensile strength
- Laboratory test data management system makes retrieval of results more effective
- Certification according to Environmental Standard ISO 14001:2015

测试数据管理系统 Laboratory test data management system



自动录入测试数据
Automatic data transmission system



自动测试数据收集
Automatic testing data collection



与 ERP 系统联网，资源共享
Link to ERP system to share resources



自动生成测试报告，出错率为零
Automatic test report creation, zero error rate

研发

- 我们研发部门的混炼设备具有先进的工艺数据收集和控制功能
- 为高效批量生产提供支持

精良的设备

- 5 升密炼机 / 啮合型
- 3 升密炼机 / 剪切型
- 1.5 升密炼机 / 剪切型
- XK200 开炼机 / 温度可控
- XK160 开炼机 / 温度可控 / 可调速比
- 电脑辅助称量系统

先进的设计方法

- 计算机辅助的配方开发系统包含现有混炼胶及其特性的数据库及资源管理器功能
- 设计 FMEA

Research & Development

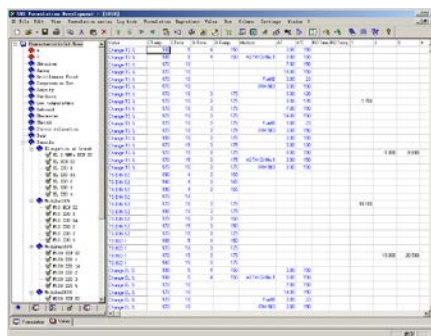
- Mixing equipment in our R&D Department has advanced process data collection and control functions
- An efficient up-scaling to mass production can be achieved

Excellent Equipment

- Internal Mixer 5.0 L / Intermeshing
- Internal Mixer 3.0 L / Tangential
- Internal Mixer 1.5 L / Tangential
- Open Mill XK200 / adjustable temperature on cylinders
- Open Mill XK160 / adjustable temperature on cylinder / adjustable friction ratio
- Computer assisted weighing system

Advanced Methods

- Computer assisted formulation development system with database of existing compounds, their properties and explorer function
- Design FMEA



克莱伯格提供基于各种聚合物的黑色和彩色混炼胶，比如：ACM、AEM、BR、CM、CR、CSM、ECO、EPDM、FKM、HNBR、IR、NBR、NR、SBR。

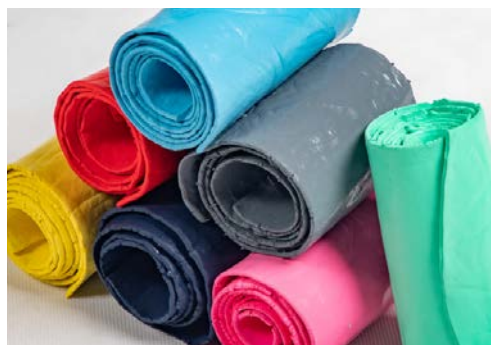
我们只生产混炼胶，不生产成品，不与我们的客户存在竞争。相反，我们愿意帮助我们的客户改进和优化工艺，帮助其生产合格的产品。

克莱伯格取得成功的决定性因素是我们产品的高品质和一致性。同时，克莱伯格优秀的专业知识及能力使得提供丰富的产品种类以及一流的服务成为常态。选择克莱伯格就是选择安心，还可以帮助您与各方提升合作。

KRAIBURG is providing black and colorized compounds in all kinds of polymers such as ACM, AEM, BR, CM, CR, CSM, ECO, EPDM, FKM, HNBR, IR, NBR, NR, SBR.

We only produce compounds, not finished parts, never compete with our customers. Instead, we offer to assist our customers in improving and optimizing their process and so as to make qualified products.

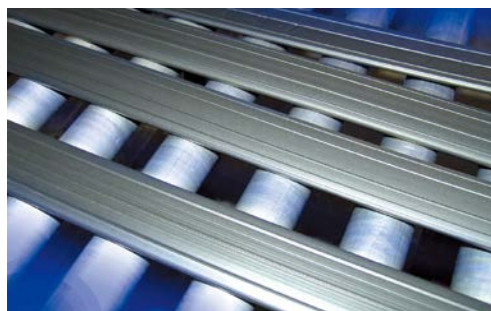
The high quality and consistency of all KRAIBURG products are the key factors for our success. Meanwhile, our know-how and competence enable a normal situation for providing variety of products and first class services. Choosing KRAIBURG secures the customers' purchasing decisions and contributes the cooperation with your stakeholders.



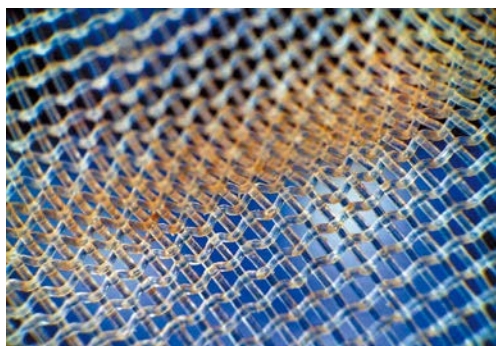
彩色和黑色橡胶
Black and colored compounds



胶片
Slabs



胶条
Strips



如果需要，可以过滤
Straining, if required



颗粒
Granules