

PTE

Competence in Compounding

汽车行业橡胶
Automotive and
Transport Vehicle Industry



工业橡胶
Industrial Rubber Products



电缆和胶管
Cabels and Hoses

建筑及采矿业橡胶
Construction and Mining



饮用水橡胶
Drinking Water Products

地点 Locations

易北河塑胶科技是国际领先的橡胶混炼公司，在欧洲、亚洲和北美都拥有工厂。公司研发、生产和销售橡胶制品所需的高品质混炼胶。

PTE is one of the leading international rubber compounding companies with factories in Europe, Asia and North America. The company develops, produces and sells high-quality polymer compounds for technical rubber products.



法国 France

法国硅胶公司

SILCOMP France S.A.S



墨西哥 Mexico

易北河塑胶科技墨西哥公司

PTE Compounding de Mexico S.A. de C.V.

- 公司总部
Corporate Headquarters
- ★ 生产基地
Production Sites

德国 Germany

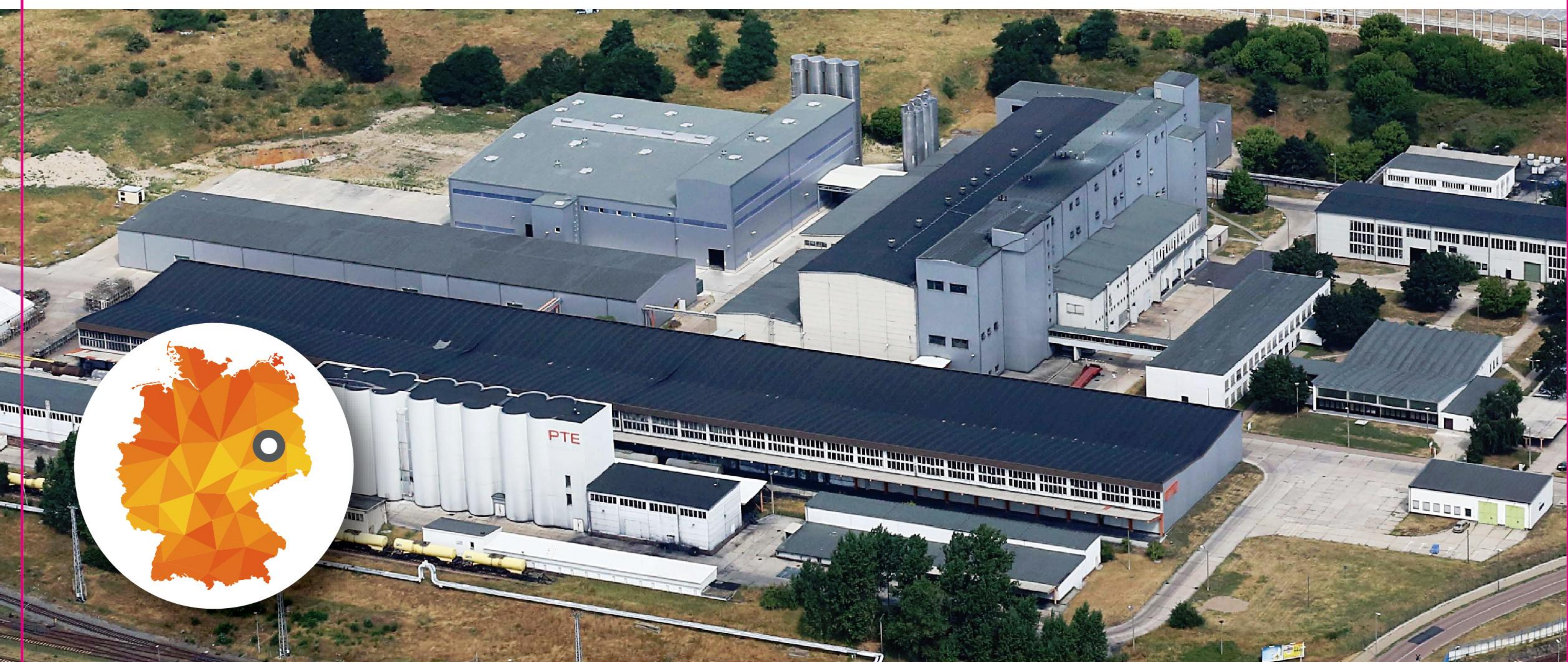
易北河塑胶科技有限公司
Polymer-Technik Elbe GmbH
硅胶有限公司
SILCOMP Silikoncompounding GmbH

中国 China

无锡易北河塑胶科技有限公司
Wuxi Elbe Polymer Technology Co., Ltd.

拥有30多个国家的客户对PTE的信赖。
Customers in more than 30 countries already trust PTE.

德国制造 MADE IN GERMANY



易北河塑胶科技有限公司，路德城维滕贝格，德国 Polymer-Technik Elbe GmbH, Lutherstadt Wittenberg, Deutschland/Germany

易北河塑胶科技 – 专业技术加先进设备

易北河公司的总部位于路德城维滕贝格。公司在橡胶工业拥有125年多历史，是行业内全面和稳固的合作伙伴。作为一家国际公司，公司有能力向欧洲乃至全球加工行业的客户提供高效、有竞争力和可靠的高质量混炼胶。易北河塑胶拥有2800多种配方，生产涉及1500多种原材料，涵盖了各胶种，充分保证了快速响应市场需求的灵活性。经验丰富的研发部门致力于满足客户的特殊要求来实现公司的竞争优势。公司已通过认证的IATF16949质量管理体系和ISO50001能源管理体系确保产品一直保持高质量的水准。

随着全球各地生产基地的建立，易北河塑胶科技重视原材料的高品质本地化，严格遵守当地的环境和劳动法，重视企业的社会责任。公司为全球的雇员提供了宽松和人性化的工作氛围。所有的产品工艺设计都遵循废弃物最少化和节约能源的原则。自2023年起，我们开始使用热泵系统，已成功节省了超过三分之一的热能。

路德城维滕贝格工厂

- 9条混炼线，容积从146到320升
- 1条45升氟橡胶生产线
- 1台20升的小容量密炼机
- 产能达140000吨/年
- 黑胶和彩胶生产线
- 每车次生产70至300公斤
- 在线和离线过滤设备
- 计算机自动控制系统
- 配备开炼机和密炼机的研发实验室

PTE-technological know-how with the latest mixing equipment

Polymer-Technik Elbe's headquarters are located in Lutherstadt Wittenberg, Germany. The company is a versatile and stable partner with a history of more than 125 years in the rubber industry. As a global company, PTE is able to deliver quickly, competently, and reliably to companies in the processing industry throughout the world. PTE has about 2800 active recipes, produced from more than 1500 raw materials, covering the full range of elastomer compounds, and allowing full flexibility in responding to the needs of the market. Competitive advantage is achieved by mastering the individual requirements of our customers through our experienced development department. Strict quality management systems certified to IATF 16949 and ISO 50001 ensure high-level quality products.

With production facilities worldwide PTE recognizes its responsibility for the use of high quality local materials and strict adherence to local environmental and labor legislation. All worldwide employees work under reasonable and humane conditions. All production processes are designed in order to minimize waste and achieve energy efficiency. Since 2023 we have been using a heat pump system and have been able to save more than a third of the heat energy.

Plant Lutherstadt Wittenberg

- 9 mixing lines with volumes ranging from 146 to 320 litres
- 1 separate line for FKM compounds with 45 litres
- small-scale production with a 20 litres mixer
- production capacity of 140000 t/a
- black and coloured compounds
- batch sizes of 70 to 300 kg
- in and offline strainer equipment
- computer-controlled processes ensure traceability
- development laboratory with open mill and internal mixer

进军墨西哥 NEW PATHS IN MEXICO



易北河塑胶科技墨西哥公司 墨西哥 PTE Compounding de México S.A. de C.V., Lagos de Moreno, Mexico / Mexico

贴近客户，定制解决方案

易北河塑胶科技在墨西哥拉戈斯德莫雷诺的橡胶工厂向北美供应混炼胶。工厂位于巴及奥地区，在那儿蓬勃发展的墨西哥汽车工业已开始奠基。由于它的战略地位，易北河塑胶科技可以向墨西哥和美洲供货。

PTE已发展成为一家全球化的制造企业，能够直接向三大洲的国际客户供货。墨西哥新工厂的年产能达39000吨。我们目前拥有三条混料生产线。2025年，我们安装了700千瓦光伏发电系统，可满足公司约15%的能源需求。为持续保障PTE产品的卓越品质，工厂已通过ISO9001、IATF16949、ISO14001及ISO45001体系认证，由此形成决定性竞争优势。

拉戈斯德莫雷诺工厂

- 3条容积各为190和320升的混炼线
- 1台硅胶开炼机
- 产能达39000吨/年
- 黑胶生产线
- 每车次生产150至300公斤
- 在线过滤设备
- 计算机自动控制系统

Proximity to Customers and Tailor-made Solutions

In the industrial park Colinas de Lagos de Moreno, in the state of Jalisco, PTE constructed the most advanced production plant of rubber compounds in North America. The plant is located in the Bajio Region where the rapidly growing Mexican automotive industry is already established. Due to the strategic location PTE customers can be supplied across Mexico and the Americas.

PTE has developed as a global manufacturing company being able to deliver directly to international customers on three continents. The plant started production with an annual capacity of 39000 t. We currently produce on 3 mixing lines. In 2025, a 700 kW photovoltaic system was installed, which can cover about 15% of the company's energy resource. To ensure the proven PTE quality level, the location is certified according to ISO 9001, IATF 16949, ISO 14001 and ISO 45001, generating decisive competitive advantages.

Plant Lagos de Moreno

- 3 mixing lines with a volume of 190 and 320 litres
- 1 silicone open mill
- production capacity of 39000 t/a
- black compounds
- batch sizes of 150 to 300 kg
- online strainer equipment
- computer-controlled processes

持续增长的中国市场

GROWTH MARKET CHINA



无锡易北河塑胶科技有限公司 无锡 中国 Wuxi Elbe Polymer Technology Co., Ltd. Wuxi, China

使用先进的欧洲技术

无锡工厂位于江苏省——中国发展最迅速的区域之一。

公司所在无锡新吴区总面积约为200平方公里。产业集群发展覆盖全国供应链，尤其是汽车行业。轮胎、汽车部件、线缆和其他工业橡胶制品都需要用到混炼胶。2006年3月工厂破土动工，建成约12000平方米的生产、仓库和办公区。厂区总面积达40000平方米。

目前，120多名员工全力保障PTE产品的卓越品质。工厂已通ISO9001、IATF16949、ISO14001以及ISO50001体系认证，无锡工厂自2023年起启用自主水处理系统，这一创举为资源保护作出了突破性贡献。

无锡工厂

- 2台190升密炼机
- 1条55升的氟橡胶生产线
- 1台硅胶开炼机
- 产能达18000吨/年
- 黑胶及彩胶生产线
- 每车次生产150公斤
- 在线和离线过滤设备
- 计算机自动控制系统

Using the Latest European Technology

The Wuxi facility is strategically located in Jiangsu Province, one of the fastest growing regions in China.

The Xinwu District in Wuxi have a combined total area of about 200 km². Industrial clusters have developed covering the entire supply chain with particular focus on the automotive sector. An unusually high concentration of companies can be found here requiring rubber compounds for tires, automotive parts, cables and other industrial rubber products. The ground-breaking ceremony in March 2006 resulted in a plant on 3 levels with approximately 12000 m² production, warehouse and office space, sited on a property of 40000 m².

Currently more than 120 employees ensure the well-known PTE quality. The location is certified according to ISO 9001, IATF 16949, ISO 14001 and ISO 50001, has been using its own water treatment since 2023—a groundbreaking contribution to resource protection.

Plant Wuxi

- 2 mixing lines with volumes of 190 litres
- 1 line for FKM compounds with 55 litres
- 1 silicone open mill
- production capacity of 18000 t/a
- black & coloured compounds
- batch size of 150 kg
- in and offline strainer equipment
- computer-controlled processes



硅胶混炼有限公司 路德城 维滕贝格 德国 SILCOMP Silikoncompounding GmbH, Lutherstadt Wittenberg, Deutschland / Germany

为您的产品打造创新型硅胶材料

易北河硅胶公司是易北河塑胶科技集团下的欧洲领先的集研发和生产于一体的混炼硅胶和氟橡胶的专业供应商。

公司拥有1000多个配方，为客户提供定制解决方案。液态硅胶、液态氟胶、高温硫化的硅胶或氟硅胶的混炼胶，给很多应用领域提供性能出色的材料。

由于硅胶耐高温的特殊性能，它能应用于很多有机高分子材料不能应用的领域。它的耐候性、绝缘性和生理学性能同样出色。

路德城维滕贝格工厂

- 产能达2000吨/年
- 1台容积为130升的密炼机
- 3台自动化开炼机
- 3个出条线提供出条和其它出货方式
- 1.5升的研发开炼机和密炼机
- 每车次生产1至130公斤
- 计算机自动控制系统
- 通过IATF16949, ISO9001和ISO50001认证

Discover the Innovative Material Silicone for your Product

Within the PTE group SILCOMP is a specialized unit for the development and production of silicone and fluorsilicone compounds, making it one of Europe's leading suppliers.

With a range of about 1000 series formulations SILCOMP offers its customers tailored solutions. EFROSIL and EFROFLUOR, hotvulcanized silicone or fluorsilicone compounds, provide excellent properties for many technological applications.

Due to their superior temperature resistance, silicone elastomers can be utilized in many areas where organic polymers fail. Excellent weather resistance, dielectric properties and physiological properties speak for themselves.

Plant Lutherstadt Wittenberg

- production capacity of 2000 t/a
- 1 internal mixer with a volume of 130 litres
- 3 automated open mills
- 3 extrusion lines for straining
- development laboratory with open mill and internal mixer of 1.5 litres
- batch sizes of 1 kg to 130 kg
- computer- controlled processes ensure traceability
- certified to IATF 16949, ISO 9001 and ISO 50001



法国硅胶公司 阿诺奈 法国 SILCOMP France S.A.S., Annonay, France

法国硅胶公司 – 硅胶、氟硅和氟碳领域 四十多年的专业知识

2005年2月，易北河硅胶公司接管了Safic Alcan的硅胶部门，并于2015年成立了其子公司—法国硅胶公司。公司位于里昂的南部阿诺奈，达到了最新生产标准。

法国硅胶公司专注于研发可用于各种高科技领域的胶料，包括汽车、电缆、航空航天和铁路。

所有配方均经过定制，并通过独特的命名法进行识别，保证不同规范和相关客户的要求。

阿诺奈工厂

- 产能达2500吨/年
- 3台密炼机，容积分别为200、300和1000升
- 3台自动化开炼机
- 每车次生产1至300公斤
- 计算机自动控制系统
- 通过ISO9001认证

SILCOMP France – Know-how of more than forty years in Silicone, Fluorsilicone and Fluorcarbon

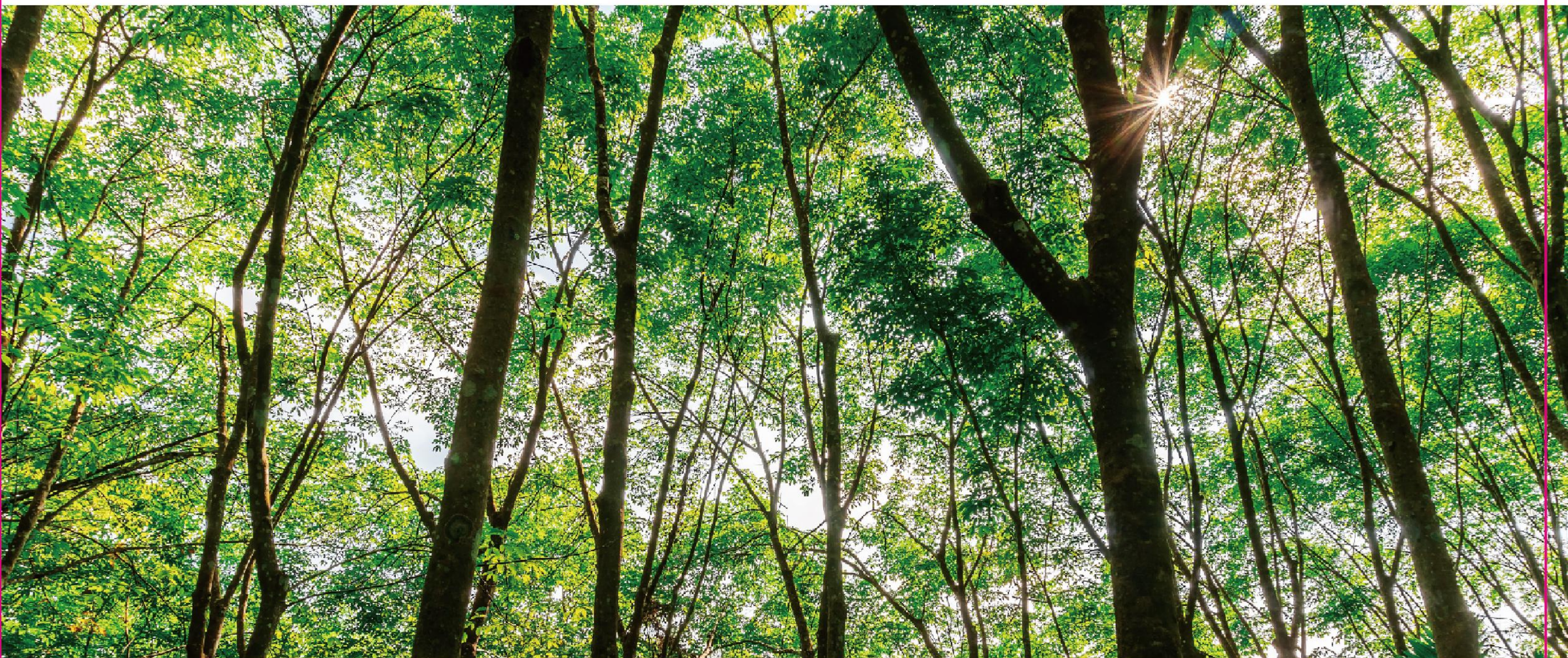
In February 2005 SILCOMP GmbH assumed the silicone division of Safic Alcan and in this context founded its subsidiary company SILCOMP France S.A.S. The production site in Annonay, south of Lyon, was constructed in 2015 and thus meets the latest production standards.

SILCOMP France is specialized in the development and conception of ready-to-use compounds that can be used in various high technology sectors including automotive, cable, aerospace and railway.

All formulations are customized and identified by a unique nomenclature code that guarantees the distinct specification and the related customers' requirements.

Plant Annonay

- production capacity of 2500 t/a
- 3 internal mixers with a volume of 200, 300 and 1000 litres
- 3 automated open mills
- batch sizes of 1 kg to 300 kg
- computer-controlled processes
- certified to DIN ISO 9001



天然橡胶种植园的树木（巴西三叶橡胶树） Bäume einer Naturkautschukplantage (Hevea brasiliensis)

可持续管理的重要性

在橡胶化合物的生产过程中，能耗和废品率是影响生态效益的关键因素。我们通过符合ISO50001标准的能源管理系统对能耗进行分析，并持续推动现有技术的现代化改造。同时，我们在原材料选择和水资源利用方面注重节约，并优化生产工艺，采用低排放替代方案。严格的IATF16949认证质量管理体系，以及PTE自有的《行为准则》，确保了面向未来的生产方式，并体现了我们的社会责任。

社会公正是企业核心理念，除了关注员工的工作条件、人体工学和职业安全外，供应链中的人权保障也至关重要。我们通过《行为准则》规范原材料采购，并在供应商评估和风险分析中纳入可持续性标准，以此践行对社会公正商业实践的承诺。

自然资源的负责任利用关乎未来，节约能源和水资源、使用可再生能源、减少二氧化碳排放，与全面集成的质量管理（降低缺陷率，从而减少浪费）同样重要。此外，可循环包装材料的使用也有助于减少废弃物。

除了直接减排，我们还通过采用可再生原料及在与客户的合作项目中推广再生材料的使用，降低碳足迹。

The importance of sustainable management

Power consumption and scrap rate are ecologically decisive factors when producing rubber compounds. Our energy consumption is analyzed by the energy management system in accordance with ISO 50001. The continuous modernization of existing technology, the conservation of resources in the selection of raw materials and use of water as well as the adaptation of production processes to low-emission alternatives also play a role. Strict quality management, certified in accordance with IATF 16949, and PTE's own Code of Conduct future-orientated production and are an expression of our social responsibility.

Social justice is an essential part of our corporate philosophy. In addition to the working conditions, workplace ergonomics and occupational safety of our employees, human rights along the supply chain are of the utmost importance. The responsible procurement of raw materials, which is anchored in our Code of Conduct, the inclusion of sustainability aspects in our supplier evaluation and risk analysis clearly demonstrate our commitment to socially just business practices.

Responsible use of natural resources is essential for the future. Saving energy and water consumption, using renewable energies, and reducing CO₂ emissions are just as important as fully integrated quality management, which can reduce the defect rate and therefore waste. The use of reusable packaging materials also contributes to waste avoidance.

In addition to reducing direct emissions, projects with raw materials from renewable sources and the use of recycled materials in various projects with our customers are also being pursued to reduce the CO₂ footprint.

我们的产品系列

OUR PORTFOLIO



性能及应用领域多样性 Diversity in Properties and Applications

NR – 天然橡胶

优异的机械性能和极佳的弹性，极好的耐磨性，良好的耐水、耐醇类、耐二醇类性能，中等耐酸碱性，不耐矿物油和燃料
应用：减震器、轮胎、雨刮器、橡皮擦

NR-natural rubber

excellent mechanical and very good elastic properties; extremely good abrasion resistance; good resistance to water, alcohols, glycols; medium resistance to acids and alkalis; not resistant to mineral oils and fuels

Vibration dampers, tires, windscreen wipers, erasers

EPDM – 三元乙丙橡胶

出色的耐臭氧、耐老化和耐候性，即使在高温下压缩永久变形也较低，对热水、过热蒸汽、酸、碱及二醇-水防冻液具有极佳耐受性

应用：门窗密封条、洗衣机/洗碗机/水管用软管、屋顶防水层

EPDM-ethylene propylene diene rubber

Excellent resistance to ozone, ageing and weathering, low compression set even at high temperatures, very good resistance to hot water, superheated steam, acids, alkalis and glycol-water-based hydraulic fluids

Door/window seals, hoses for washing machines, dish washers and water fittings, roofing membranes

NBR – 丁腈橡胶

极佳耐磨性，高强度，良好的耐油和耐燃料性能，低气体渗透性，优异的低温柔韧性，高冲击弹性

应用：密封件、泵隔膜、软管、摩擦片、橡胶手套、橡胶地垫

NBR – acrylonitrile butadiene rubber

Very good abrasion properties, high strength level, good resistance to oil and fuels, low gas diffusion, good low-temperature flexibility, high impact elasticity

Seals, pump diaphragms, hoses, friction linings, rubber gloves Rubber mats

SBR – 丁苯橡胶

高强度、高弹性、抗撕裂，耐老化耐热，极佳耐磨性，对水、醇类、二醇类及稀释弱酸弱碱有良好耐受性

应用：轮胎、正时皮带、软管、密封件等汽车部件，电缆护套，鞋底

SBR-styrene-butadiene rubber

high strength, elasticity, tear resistance, resistance to ageing and heat, very good abrasion properties good resistance to water, alcohols, glycols, diluted weak acids and alkalis

Tires, timing belts, hoses, seals and other automotive parts, cable sheathing, shoe soles

BR – 顺丁橡胶

良好的耐水、耐醇类和耐二醇类性能，极佳耐磨性，高弹性，低阻尼性，动态生热低，不耐矿物油和燃料

应用：冬季轮胎胎面、三角带、输送带

HNBR – 氢化丁腈橡胶

耐矿物油、燃料和氧化介质，优异的耐臭氧、耐老化和耐候性，高抗撕裂性，极佳耐磨性能

应用：发动机领域密封件、饮用水设备、气体输送密封系统

CR – 氯丁橡胶

高阻燃性，良好的耐臭氧、耐老化和耐候性，对石蜡基矿物油、润滑脂以及氨等制冷剂具有良好耐受性，即使在低温下仍保持优良机械性能和弹性

应用：密封件、三角带、输送带、电缆护套、软管、运动服装、涂层织物、防护手套、粘合剂

ECO – 氯醇橡胶

耐臭氧性，极低气体渗透性，良好的耐矿物油/润滑脂及脂肪烃性能

应用：密封件、隔膜、软管、辊筒覆层、模压制品、纺织橡胶涂层

ACM – 丙烯酸酯橡胶

优异的耐矿物油、添加剂和润滑剂性能，极佳的耐臭氧、耐老化和耐候性，良好的压缩永久变形性能

应用：软管制品、发动机及变速箱密封件、涡轮增压器部件

AEM – 乙烯丙烯酸酯橡胶

卓越的耐油性，阻燃特性，良好的减震性能，极佳的耐臭氧、耐老化和耐候性

应用：软管制品、发动机及变速箱垫片、涡轮增压器部件、气缸盖罩垫

FKM – 氟橡胶

出色的耐温性，高化学耐受性（矿物油、润滑脂及非极性介质），卓越的耐臭氧、耐老化和耐候性，高气密性

应用：密封件、燃油软管、耐化学通用软管、防护手套

IIR – 丁基橡胶

极低的气体渗透性，良好的耐臭氧、耐老化和耐候性能，对热水、酸、碱及极性溶剂具有良好耐受性

应用：空气软管、内衬层、密封件、电缆绝缘层、口香糖、加热波纹管、防护手套、密封塞

BR-Butadiene rubber

good resistance to water, alcohols, glycols; excellent abrasion resistance, high elasticity, low damping, low dynamic heat development, not resistant to mineral oils and fuels

Treads for winter tires, V-belts, conveyor belts

HNBR-Hydrogenated nitrile butadiene rubber

Resistant to mineral oils, fuels and oxidizing media, very good resistance to ozone, ageing and weathering, high tear resistance, very good abrasion properties

Seals in the engine sector, drinking water applications, sealing gas-carrying systems

CR-Chloroprene rubber

High flame retardancy, good resistance to ozone, ageing and weathering, good resistance to paraffinic mineral oils and greases refrigerants such as ammonia etc., good mechanical properties and favorable elastic behavior even at low temperatures

Seals, V-belts, conveyor belts, cable sheathing, hoses, sportswear, coated fabrics, protective gloves, adhesives

ECO-epichlorohydrin rubber

Ozone resistance, very low gas permeability, good resistance to mineral oils/greases and aliphatic hydrocarbons

Seals, membranes, hoses, roller coverings, molded articles, textile rubber coatings

ACM-polyacrylate rubber

Very good resistance to mineral oils, additives and lubricants, very good resistance to ozone, ageing and weathering, good compression set

Hose applications, seals for engines and gearboxes, components for turbochargers

AEM-acrylate-ethylene rubber

Very good oil resistance, flame retardant, good damping properties, very good resistance to ozone, ageing and weathering

Hose applications, gaskets for engines and gearboxes, components for turbochargers, cylinder head cover gaskets

FKM-fluororubber

Very good temperature resistance, high chemical resistance (minerals, oils, greases and non-polar media), excellent resistance to ozone, ageing and weathering, high gas tightness

Seals, fuel hoses, chemical-resistant universal hoses, protective gloves

IIR-Butyl rubber

Very low gas permeability, good resistance to ozone, ageing and weathering, good resistance to hot water, acids, alkalis and polar solvents

Air hoses, inliners, seals, cable insulation, chewing gum, heating bellows, protective gloves, sealing plugs



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Notre-Dame, Annonay

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