



塑料原料

Plastic Raw Materials

为各行业提供聚合物原料一体化解决方案

Providing integrated solutions for polymer raw materials for various industries

About Us



Shanghai Prime Min Trading Co. Ltd. was built in 2022 and specialized in the international trade of raw material for various sectors in China. Our main markets are polymers and chemical products.

We have been focusing on the research and production of various modified plastics and composite materials. After more than twenty years of development, we participated in nearly 1000 products. The products are widely used in medical devices, biomedical diagnostics, general aerospace industry, home appliances, electronics, automobiles, packaging and other fields. Products can also be customized according to customers' special requirements.

We maintain direct contact with many domestic (Chinese) and foreign polymer manufacturers and distribute various grades polymers in China and around the world, including special engineering plastics, medical grade polymers, food grade polymers, fluoroplastics and so on.

Our Services

Base on our over 20 years of experience in the modified plastics and composite materials, especially our excellent engineering and technical team, we provide various customer needs and offer corresponding technical support.

We can provide logistics and transportation services according to your requirements too.

PRODUCT CATALOG 产品目录



PP

聚丙烯

PE

聚乙烯

PC

聚碳酸酯

POM

聚甲醛树脂

PVC

聚氯乙烯颗粒及糊树脂

PVDF

聚偏二氟乙烯

EVA

醋酸乙烯共聚物

PEEK

聚醚醚酮

PS

聚苯乙烯

ABS • MABS

丙烯腈-丁二烯-苯乙烯共聚物

PET

聚酯

POE

热塑性弹性体

PA

聚酰胺

POP

聚烯烃塑性体

PMMA

聚甲基丙烯酸甲酯

PPSU

聚亚苯基砜

SEBS

热塑性弹性体

CBC

EVOH • EVAL 环状嵌段共聚物 乙烯-乙烯醇共聚物 OBC

烯烃嵌段共聚物

PBI

聚苯并咪唑

PI • TPI

聚酰亚胺

TPFE

聚四氟乙烯

PEN

聚萘二甲酸乙二酯

TPU

热塑性聚氨酯弹性体

Masterbatch

塑料母粒

FAA

乙烯丙烯酸

FMAA

K RESIN

SAN

乙烯甲基丙烯酸 苯乙烯&丁二烯共聚物丙烯腈&苯乙烯共聚物





PP polypropylene has a wide range of applications, covering four major fields: packaging, automotive, home, and medical. It is currently one of the most commonly used plastics.

PP聚丙烯(Polypropylene)应用范围极广,核心覆盖包装、汽车、家居、医疗四大领域,是目前最常用的塑料之一

Features • 特性

Excellent transparency and Gloss 卓越的透明度与光泽

Low extraction 低溶出性

Low adsorption 低吸附性

High HDT 优异的耐热性能 Easy for Processing 优异的加工性能

Good stiffness and toughness balance 优异的刚性与抗冲击性平衡

High purity 高纯度性







Polyethylene (PE includes HDPE,LDPE,LLDPE) is one of the most widely used plastics in the world. PE has a wide range of applications, covering four major fields: medical industry, daily life industry, industrial & engineering and agricultural industry.

聚乙烯(PE)是世界上使用最广泛的塑料之一。PE的应用范围广泛,涵盖四大领域:医疗行业、日常生活行业,工业和工程行业和农业行业。

Features • 特性

Good chemical resistance 良好的耐化学性

Good heat sealing 优异的热封性

Good ESCR 优异的抗环境应力开裂性能 High transparency 透明度高

High purity 高纯度性 Good dimensional stability 良好的尺寸稳定性

Resistance to Autoclave sterilization of LDPE 耐高温灭菌的低密度聚乙烯







The core advantages of polycarbonate (PC) are high strength, high transmittance, and impact resistance. It is a representative plastic that is "transparent and sturdy" and widely used in scenarios that require a balance between performance and safety, covering four major fields: medical industry, automotive industry, electronic appliances and daily necessities and building materials.

聚碳酸酯(PC)核心优势是高强度、高透光率和耐冲击性,是"透明且坚固"的代表性塑料,广泛用于需要兼顾性能与安全性的场景,涵盖四大领域:医疗行业、汽车行业、电子电器和日用品以及建筑材料。

Features • 特性

High rigidity 高刚性

High impact strength 高抗冲击性

Good weather resistance 耐候性

Flame retardant 阻燃性

Anti-static 抗静电

High transparency

透明度高

Anti-bacterial 抗菌性

Durability 耐久性 Good chemical resistance 良好的耐化学性

Good heat stability 优异的热稳定性







Polyoxymethylene (POM) is an engineering plastic with excellent performance, characterized by high strength, high rigidity, wear resistance, fatigue resistance, etc. Its application range is very wide.

聚甲醛(POM)是一种性能优异的工程塑料,具有高强度、高刚性、耐磨、耐疲劳等特点,其应用范围十分广泛。



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PVC 聚氯乙烯颗粒及糊树脂



PVC (polyvinyl chloride) is a universal plastic with extremely high cost-effectiveness. Its core characteristics are low price, strong plasticity, and chemical corrosion resistance. By adding different additives, it can be made into soft and hard forms, and its applications cover multiple fields such as life, medical, industry, and construction

PVC(聚氯乙烯)是性价比极高的通用塑料,核心特点是价格低廉、可塑性强且耐化学腐蚀,通过添加不同助剂可制成软、硬两种形态,应用覆盖生活、医疗、工业、建筑等多领域。

Application • Features • 特性 Morphological plasticity Corrosion resistance 形态可塑性性 耐腐蚀性 Daily necessities Medical Industry and light industry Insulation and flame retardancy 日用品及轻工行 医疗行业 绝缘和阻燃性 **Building materials** Rich physical properties Low Cost 建筑材料 物理性能丰富 成本低 Industry and 工业与电子行业

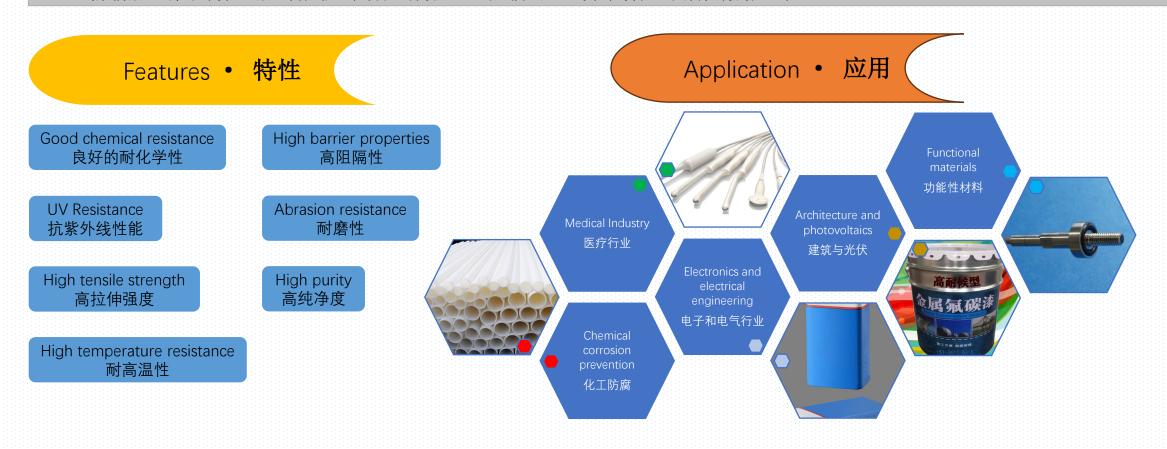
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PVDF (polyvinylidene fluoride) is a high-performance fluoroplastic with core advantages of high and low temperature resistance, strong corrosion resistance, excellent insulation, and unique piezoelectricity.

PVDF(聚偏氟乙烯)是高性能氟塑料,核心优势是耐高低温、耐强腐蚀且绝缘性优异,还具备独特的压电性.







The core characteristics of EVA (ethylene vinyl acetate copolymer) are good flexibility, low temperature resistance, easy processing, and adjustable hardness. By changing the content of vinyl acetate (VA) to adapt to different scenarios, it can cover everything from soft elastomers to hard plastics.

EVA(乙烯-醋酸乙烯酯共聚物)的核心特性是柔韧性好、耐低温、易加工、硬度可调。通过改变醋酸乙烯酯(VA)的含量以适应不同的情况,它可以覆盖从软弹性体到硬塑料的一切

Features • 特性

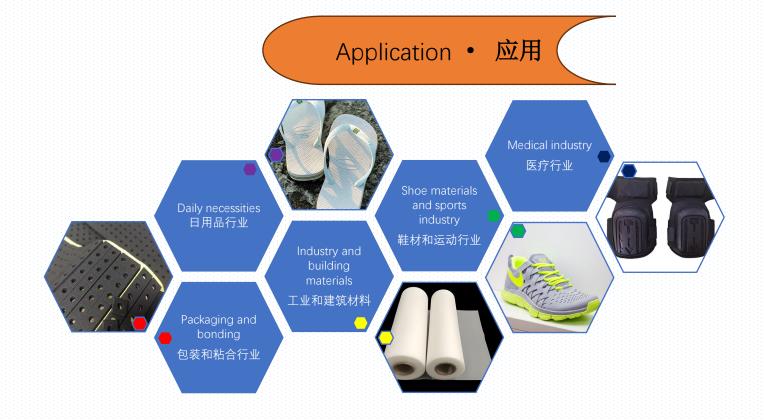
Good chemical resistance 良好的耐化学性 UV Resistance 抗紫外线性能

High barrier properties 高阻隔性

Abrasion resistance 耐磨性

High tensile strength 高拉伸强度 High purity 高纯净度

High temperature resistance 耐高温性







PEEK (polyetheretherketone) is a high-performance engineering plastic with excellent high temperature resistance, mechanical strength, chemical corrosion resistance, and electrical insulation properties. It is widely used in high-tech fields such as aerospace, automotive, electronics, medical, and energy.

PEEK(聚醚醚酮)是一种高性能工程塑料,具有优异的耐高温性、机械强度、耐化学腐蚀性和电气绝缘性,广泛应用于航空航天、汽车、电子、医疗、能源等高 技术领域

Features • 特性

High temperature High pressure hydrolysis resistance 耐高温高压水解

Excellent chemical resistance 极佳耐化学性

Good radiation resistance 高尺寸稳定性

Good radiation resistance Excellent chemical resistance 良好的耐辐照性

Excellent mechanical properties 卓越的机械性能







Polystyrene is a low-cost universal plastic with core characteristics of good transparency, easy processing, and high rigidity. It is divided into general grade (GPPS) and impact resistant grade (HIPS), suitable for daily use and packaging scenarios.
聚苯乙烯是低成本通用塑料,核心特点是透明性好、易加工、刚性高,分为通用级(GPPS)和抗冲级(HIPS),适配日常与包装场景

Features • 特性

Excellent transparency 卓越的透明度

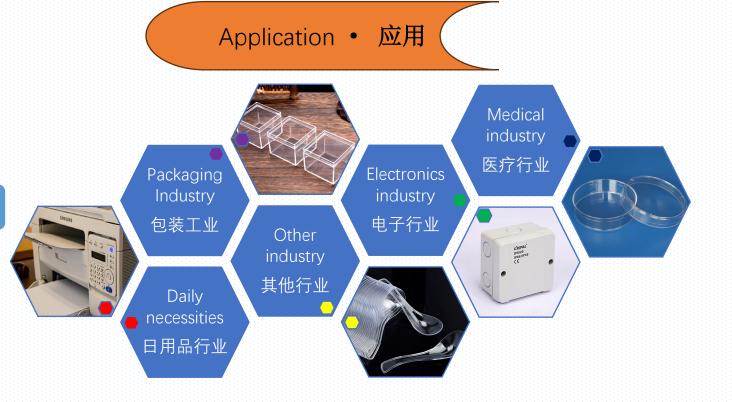
> Good bondability 良好的粘结性

Good radiation resistance 高尺寸稳定性

Easy processing 易加工

High impact strength 高抗冲击性

Good biocompatibility 优异的生物相容性

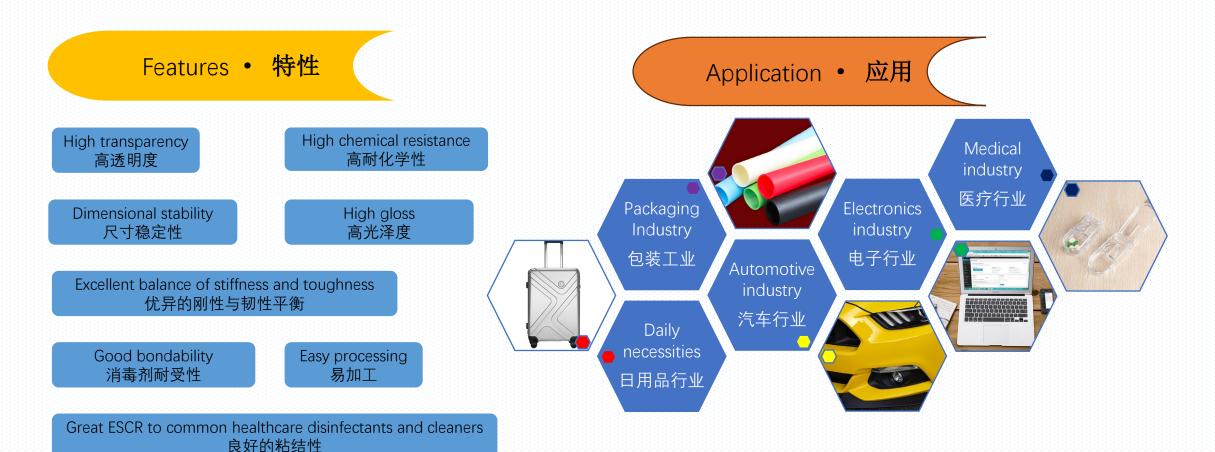


ABS · MABS 丙烯腈-丁二烯-苯乙烯共聚物



ABS is a thermoplastic made by copolymerizing three monomers: acrylonitrile, butadiene, and styrene. MABS is a special synthetic resin synthesized by copolymerization of styrene, butadiene, methyl methacrylate and other raw materials

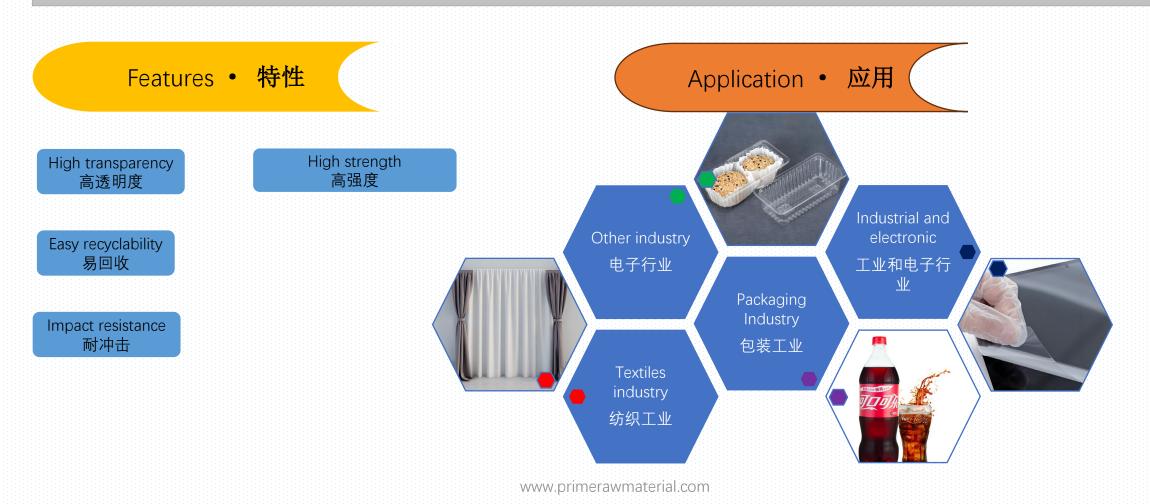
ABS 差一种热塑性塑料,由丙烯腈、丁二烯和苯乙烯三种单体共聚而成,MABS是一种特殊的合成树脂,由苯乙烯、丁二烯、甲基丙烯酸甲酯等原料通过共聚合成







PET (polyethylene terephthalate) is a versatile plastic with a wide range of applications. Its core advantages include high strength, impact resistance, good transparency, and easy recycling. It is divided into fiber grade and film/bottle grade, covering multiple fields such as textiles, packaging, and industry. PET(聚对苯二甲酸乙二醇酯)是用途极广的通用塑料,核心优势是高强度、耐冲击、透明性好且易回收,分为纤维级和薄膜/瓶级,覆盖纺织、包装、工业等多领域



POE热塑性弹性体



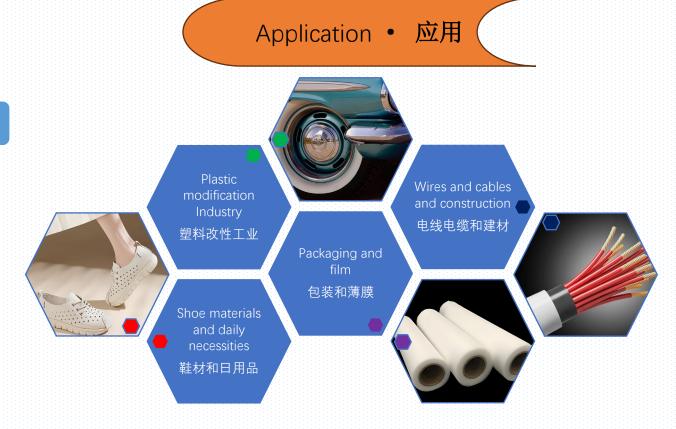
The core characteristics of POE (polyolefin elastomer) are high elasticity, low temperature resistance, aging resistance and good compatibility with plastics. It combines the flexibility of rubber and the ease of processing of plastics, and is mainly used for modification, toughening and direct molding. POE(热塑性弹性体)的核心特性是高弹性、耐低温、抗老化且与塑料相容性好,兼具橡胶的柔韧和塑料的易加工性,主要用于改性、增韧和直接成型

Features • 特性

High elasticity 高弹性 Low temperature resistance 耐低温

Good compatibility with plastic 与塑料相容性好

Easy processing 易加工







PA (commonly known as "nylon") is a classic engineering plastic with core advantages of high strength, high toughness, wear resistance, and fatigue resistance. It is suitable for various scenarios from daily life to industry through different varieties (such as PA6, PA66). PA 聚酰胺(俗称"尼龙")是经典工程塑料,核心优势是高强度、高韧性、耐磨且耐疲劳,通过不同品种(如PA6、PA66)适配从日常到工业的多场景需求。

Features • 特性

Application • 应用

High transparency 高透明度

High rigidity 高刚性

Excellent resistance to flexural fatigue 优异的耐弯曲疲劳性能

Long-term thermal stability 长期热稳定性

Low water absorption 低吸水率

Excellent impact resistance 优异的抗冲击性

Outstanding stability 极佳的稳定性

Free of bisphenol A 不含双酚A

耐化学腐蚀

Stress cracking resistance 耐应力开裂

Free of bisphenol S 不含双酚S

Excellent barrier properties 优异的阻隔性

Chemical corrosion resistance

High heat resistance 高耐温性

Excellent weather resistance 优异的耐候性



Daily necessities and

日用品和纺织



Electronics appliances 电子电器

industry 汽车行业



医疗行业





POP 聚烯烃塑性体



Polyolefin plasticizers (POP) are used in the field of polymer materials that require high flexibility and low modulus. They are an important material to replace traditional elastomers such as EVA and rubber, combining the processability of polyolefins with the flexibility of elastomers.POP is more suitable as a heat sealer for blown film, extrusion and casting.

聚烯烃塑性体(POP)核心应用于需要高柔韧性、低模量的高分子材料领域,是替代传统弹性体(如EVA、橡胶)的重要材料,兼具聚烯烃的加工性与弹性体的柔软性。POP 聚烯烃塑性体在日常应用上,更加适合作为吹膜、挤出、流延用热封层。

Features • 特性

Excellent mechanical properties 力学性能优异

Physical property adaptation 物理特性适配

Stable environmental resistance 耐环境性稳定

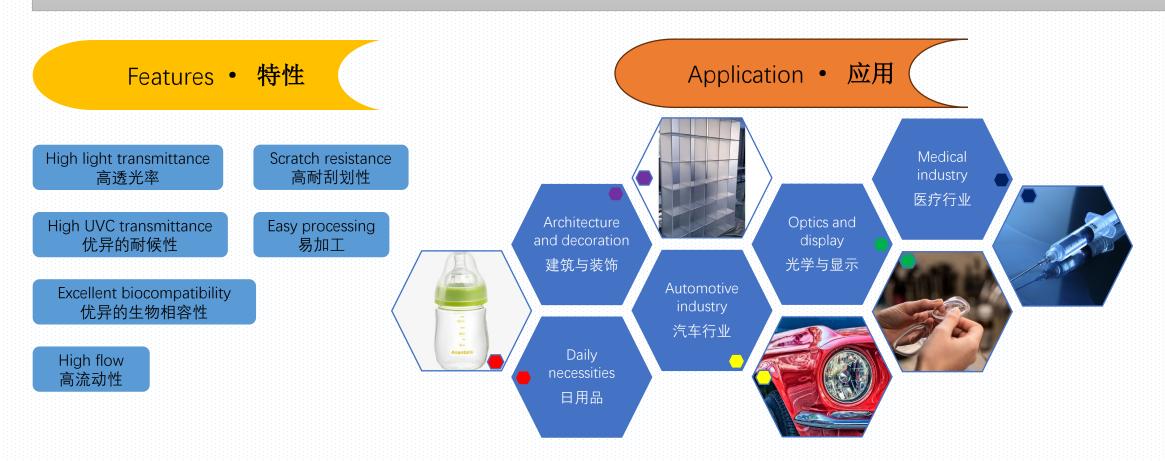
Easy processing 易加工



PMMA聚甲基丙烯酸甲酯



PMMA (polymethyl methacrylate, commonly known as "organic glass") is widely used in scenarios that require high transparency and weather resistance. It is a lightweight and easy to process material that replaces inorganic glass, combining aesthetics and practicality PMMA(聚甲基丙烯酸甲酯,俗称"有机玻璃")核心应用于对透明性、耐候性有高要求的场景,是替代无机玻璃的轻量化、易加工材料,兼具美观与实用性

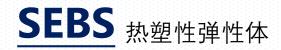






PPSU (polyphenylene sulfone) core is applied in scenarios that require high temperature resistance, hydrolysis resistance, and safety, especially suitable for environments with repeated high-temperature disinfection. It is a representative material of "manufacturing resistance" in high-end engineering plastics. PPSU(聚苯砜,聚亚苯基砜)核心应用于对耐高温、耐水解、安全性要求极高的场景,尤其适合反复高温消毒的环境,是高端工程塑料中"耐造"的代表材料。

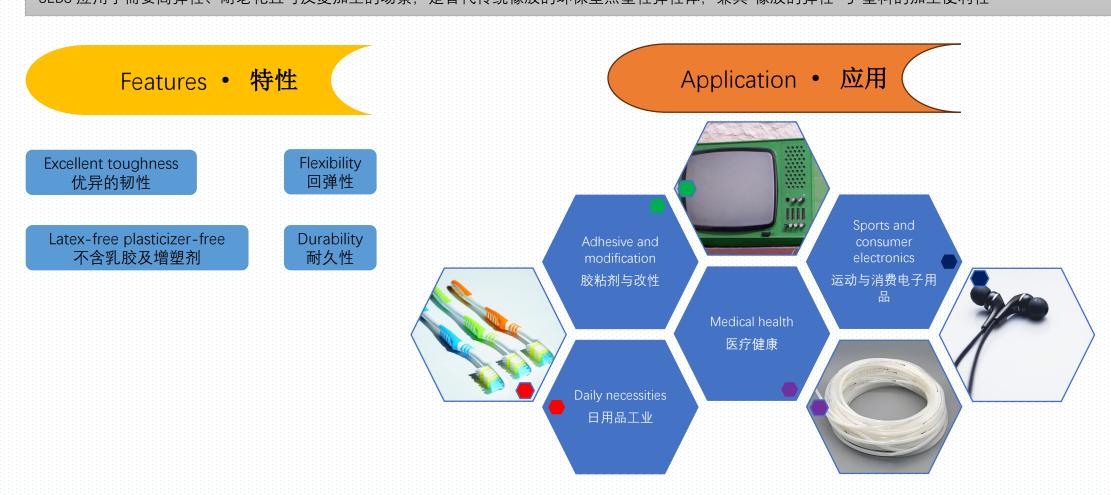


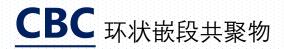




SEBS is applied in scenarios that require high elasticity, aging resistance, and repeatable processing. It is an environmentally friendly thermoplastic elastomer that replaces traditional rubber, combining the "elasticity of rubber" and the "processing convenience of plastic".

SEBS 应用于需要高弹性、耐老化且可反复加工的场景,是替代传统橡胶的环保型热塑性弹性体,兼具"橡胶的弹性"与"塑料的加工便利性"







CBC , Cyclic Block Polymer is a new type of olefin copolymer CBC, 即Cyclic Block Copolymer, 是一种新型烯烃共聚物

Features • 特性

92% light transmittance 92%透光率

Excellent UV durability 优异的紫外耐受性

Excellent chemical resistance 优异的耐化性

Low protein (DNA,RNA) absorption 低蛋白 (DNA,RNA) 吸附性

Low auto-fluorescence 低自体荧光值

Low moisture uptake 低吸水率

High UV light transmittance

高紫外光透光率

Excellent radiation resistance

优异的耐辐照性

Superb purity

极致洁净

Low density

低密度

Low extraction 低溶出萃取量

Low outgassing 低气体挥发

Application • 应用

Good heat stability 热稳定性佳

> Biochemical detection

> > 生化检测

Optics 光学领域

Electronics 电子行业

Packaging industry

包装行业

Medical

医疗行业



industry







EVOH (ethylene vinyl alcohol copolymer) is widely used in packaging fields that require extremely high gas barrier properties. It is currently the "benchmark material" for blocking gases such as oxygen and carbon dioxide, and can effectively extend the shelf life of contents EVOH(乙烯-乙烯醇共聚物)核心应用于对气体阻隔性有极高要求的包装领域,是当前阻隔氧气、二氧化碳等气体的"标杆材料",能有效延长内容物保质期

Features • 特性

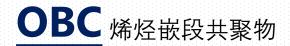
Excellent barrier performance 优异的阻隔性能

High environmental protection and safety 环保和安全性高

Strong processing and composite properties 加工和复合性强

Good oil and chemical resistance 耐油性和耐化学性好







OBC (olefin block copolymer) is applied in scenarios that require precise balance of elasticity, rigidity, and temperature resistance. It is a high-performance polyolefin elastomer that combines excellent low-temperature toughness and high-temperature stability, especially suitable for fields with demanding material performance requirements.

OBC(烯烃嵌段共聚物)应用于需要精准平衡弹性、刚性与耐温性的场景,是高性能聚烯烃弹性体,兼具优异的低温韧性与高温稳定性,尤其适配对材料性能要求苛刻的领域

Features • 特性

Precise balance of elasticity 精准平衡弹性

High rigidity 高刚性

Excellent low-temperature toughness 优异的低温韧性

Temperature Resistance 耐温性

High-temperature stability 高温稳定性

Application • 应用 Wire and cable modification 电线电缆改性 Automotive Consumre industry electronics 汽车行业 消费电子 Packaging industry 包装行业 Daily necessities 日用品工业

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The core characteristics of PBI (Polybenzimidazole) are extreme high temperature resistance and excellent chemical stability, which can withstand high temperatures for a short period of time above 500 ℃. It is a "temperature king" grade polymer material for aerospace and extreme industrial scenarios PBI(聚苯并咪唑)核心特性是极致耐高温与卓越的化学稳定性,能在500℃以上短期耐受高温,是航空航天、极端工业场景的"耐温王者"级高分子材料。

Features • 特性

Ultra high temperature resistance 超耐高温 Strong chemical stability 化学稳定性强

Excellent mechanics and insulation properties 优异的力学与绝缘性优异

Radiation resistance and flame retardancy
耐辐射与阻燃

Resistant to strong acids 耐强酸

Resistant to strong alkali 耐强碱



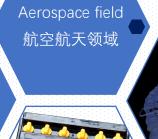
Protection field 防护领域



Electronics and new energy

Application • 应用

电子与新能源 领域





PI • TPI_{聚酰亚胺}



Polyimide (PI) is a high-performance engineering plastic known for its excellent heat resistance, mechanical properties, chemical stability, and electrical insulation. This material plays an important role in many high-tech fields, including aerospace, electronics, automotive, and medical equipment 聚酰亚胺(Polyimide,简称PI)是一种高性能的工程塑料,以其卓越的耐热性、机械性能、化学稳定性以及电绝缘性而著称。这种材料在许多高科技领域中扮演 着重要的角色,包括航空航天、电子、汽车以及医疗设备等

Features • 特性

Ultra high temperature resistance 超耐高温

Strong chemical stability 化学稳定性强

Excellent mechanics and insulation properties 优异的力学与绝缘性优异

Radiation resistance and flame retardancy 耐辐射与阻燃

Resistant to strong acids 耐强酸

Resistant to strong alkali 耐强碱

Application • 应用



汽车工业领域

Electronics and new energy

电子与新能源 领域

Aerospace field 航空航天领域



Medical devices 医疗器械





Polytetrafluoroethylene (PTFE), also known as "Teflon" or "Plastic King", is widely used in various industries due to its high temperature resistance, corrosion resistance, solvent resistance, high insulation, and biological inertness

聚四氟乙烯(PTFE)又名"特氟龙"、"塑料王",由于其耐高温、耐腐蚀、耐溶剂、高绝缘、生物惰性等特点,被广泛应用于各行业

Features • 特性

Excellent chemical corrosion resistance 优异的耐化学腐蚀性

Excellent electrical insulation 优异的电绝缘

Excellent cold resistance 优异的耐寒性

Low friction coefficient 低摩擦系数

Resistant to strong acids, Strong alkali, strong oxidant 耐强酸,强碱和强氧化剂

Excellent heat resistance 优异的耐热性

Automotive industry

汽车行业

Chemical industry 化工领域

医疗行业

电子电器

Electronics

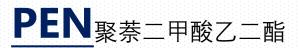
appliances

Application • 应用

Medical industry









PEN is a high-performance polyester engineering plastic PEN 是一种高性能的聚酯类工程塑料

Features • 特性

Excellent chemical resistance 优异的耐化学性

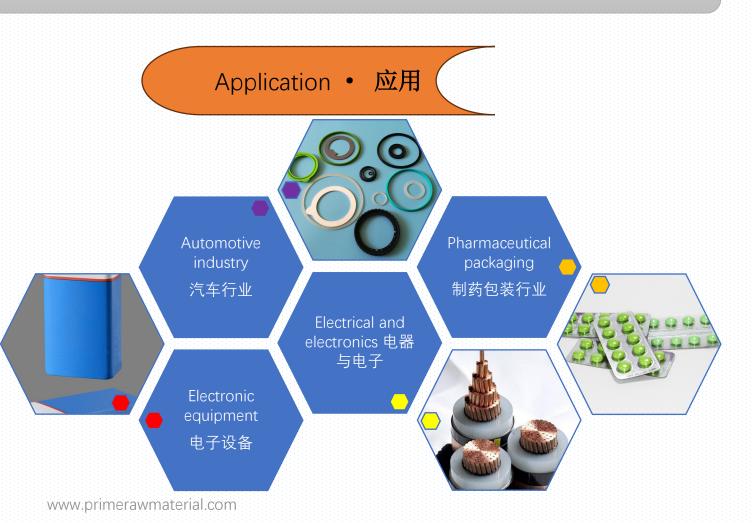
High transparency 高透明

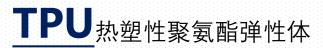
Good heat stability 热稳定性高 Low adhesion 低吸附性

High surface hardness 高表面硬度 Excellent biocompatibility 优异的生物相容性

Good barrier(Oxygen, water vapor) 阻隔性(氧气、水蒸气) UV resistance 阻挡紫外线

Anti-hydrolysis and low adsorption to PET 相较于PET更优异的耐水解性







TPU is a thermoplastic polymer material composed of polyols and diisocyanates, which can be classified into polyester, polyether, and polycaprolactone types

TPU是一种由多元醇和二异氰酸酯聚合而成的热塑性高分子材料,分为聚酯型、聚醚型和聚己内酯型等类别

Features • 特性

Excellent chemical resistance 优异的耐化学性

High strength 高强度

Excellent hydrolysis resistance and stability 优异的耐水解性稳定性

Both injection molding and extrusion processes are available 注塑和挤出工艺均可

High toughness 高韧度 High wear resistance 高耐磨性

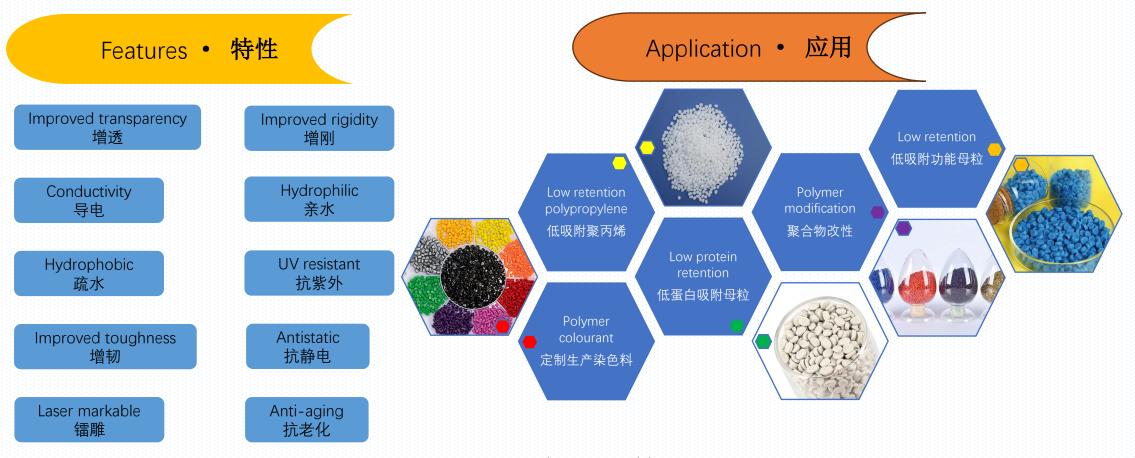






Plastic masterbatch is a plastic processing aid composed of resin, chemical additives, and fillers, mainly used to improve the performance or processing technology of plastic products, available to TPE, PC, POM, PE, ABS, MABS, TPU, PEBAX, PET, UHMWPE, Biopolymers, PPSU, PP, etc

塑料母粒是一种由树脂、化学助剂和填料组成的塑料加工助剂,主要用于改善塑料制品的性能或加工工艺,适用于TPE, PC, POM, PE, ABS, MABS, TPU, PEBAX, PET, UHMWPE, Biopolymers, PPSU, PP, 等等







Ethylene acrylic acid (EAA) is a thermoplastic material with exceptional adhesion properties. Its primary applications revolve around its strong bonding capability and chemical resistance, mainly used in packaging, powder coating, adhesives, hot melt glue, water-based solvents, environmentally degradable materials, and composites

乙烯丙烯酸(EAA)是一种具有热塑性和极高粘结性的材料,核心应用围绕其强粘接性与耐化学性,主要用于包装、粉末涂层,粘合剂,热熔胶,水性溶剂,环保降解材料和复合领域







EMAA (ethylene methacrylate copolymer) has excellent metal adhesion and sealing properties

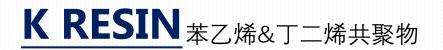
EMAA (乙烯-甲基丙烯酸共聚物) 具有优异的金属粘附性和密封性能, 应用范围十分广泛

Features • 特性

Excellent metal adhesion 优异的金属粘附性

Sealing properties 密封性





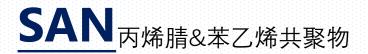


K-Resin is a block copolymer composed of styrene and butadiene monomers, synthesized using anionic solution polymerization technology. It has the characteristics of high transparency, impact resistance, and excellent processability

K树脂(K-Resin)是一种以苯乙烯和丁二烯为单体的嵌段共聚物,采用阴离子溶液聚合技术合成,兼具高透明性、抗冲击性和加工性能优异的特点

Features • 特性 Application • 应用 Impact resistance High transparency Automobiles and 抗冲击性 高透明性 home appliances 汽车与家电领域 Excellent processability Plastic Packaging 加工性能优异 modification 包装 塑料改性 Medical industry 医疗领域 Consumer goods 消费品领域

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The core advantages of SAN (acrylonitrile styrene copolymer) are high rigidity, excellent chemical resistance, and transparency, and its applications are concentrated in fields that require material hardness and appearance

SAN(丙烯腈&苯乙烯共聚物)核心优势是高刚性、优良的耐化学性与透明性,应用集中在对材料硬度和外观有要求的领域

Features • 特性

High transparency 高透明性 High rigidity 高刚性

Excellent chemical resistance 优异的耐化学性

Application • 应用



Food packaging 食品包装

Consumer goods

消费品领域

Electronic appliances

电子电器领域

Automobiles industry

汽车领域





Drug

packaging

药品包装



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