

SINGBON NEW MATERIALS
兴邦新材 科技兴邦



热塑性聚氨酯弹性体 产品说明书

Instructions Of
Thermoplastic Polyurethane Elastomer

THERMOPLASTIC POLYURETHANE ELASTOMER

兴邦新材料(山东)有限公司
SINGBON NEW MATERIALS (SHANDONG) CO.,LTD



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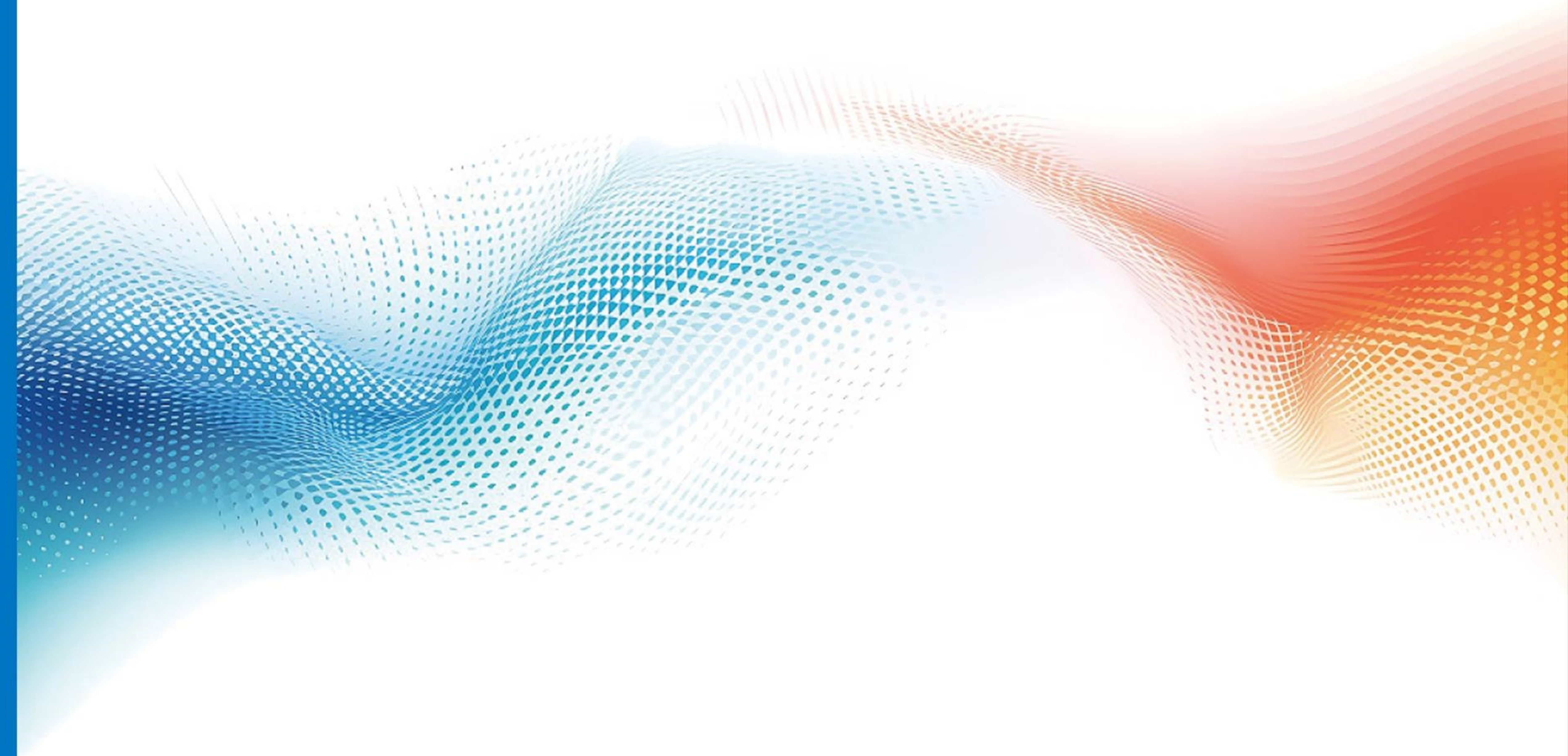
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TECHNOLOGY CHANGES LIFE

科技改变生活



目录 CONTENTS



01 ABOUT US 企业简介	P01-P02
02 INDUSTRIAL PARK 产业园介绍	P03-P04
03 COMPANY CULTURE 企业文化	P05-P06
04 DEVELOPMENT PATH 发展历程	P07-P08
05 COMPANY HONOR 企业荣誉	P09-P10

06 COOPERATIVE PARTNER 合作伙伴	P11-P12
--	---------

07 PRODUCT PROFILE 产品简介	P13-P30
--------------------------------------	---------

T Series T系列	13
T Series T系列 脂肪族异氰酸酯PCD性TPU	15
M Series M系列	17
G Series G系列	19
S Series S系列	21
X Series X系列	23
H Series H系列	25
E-TPU 爆米花新科技	27
TPU Cutting Board TPU抗菌砧板	29

08 INTERNATIONAL & DOMESTIC MARKET 产品市场分析	P31-P32
--	---------

09 LEGAL DISCLAIMER 免责声明	P33-P34
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邦興技科 材新邦興
SINGBON NEW MATERIALS TECHNOLOGIZE NATION

ABOUT US 关于兴邦新材

兴邦新材料（山东）有限公司

兴邦新材料(山东)有限公司成立于2018年，是一家集研发、生产、销售、进出口贸易为一体，专注于高分子聚酯、高科技新材料TPU及下游挤出产品、注塑产品的国内知名新材料公司和国家高新技术企业。公司依托不断创新的核心技术及高效的运营模式，为客户提供先进的产品和完善的技术解决方案。

兴邦新材始终坚持以科技创新为第一驱动力，优化产品结构，定位中高端市场。产品广泛应用于鞋材服装、电子产品、电线电缆、高端管材、高端医疗、军工行业、家居用品等工业及民生行业。

兴邦新材，科技兴邦，兴邦秉承“将一流产品推荐给一流用户”的企业使命，致力于成为国际一流的新材料品牌企业。我们将始终践行构筑人类美好生活的企业责任，以创新驱动发展，以诚信铸就品牌，不断创造新材料领域的新辉煌。

Singbon New Materials (Shandong) Co., LTD., was established in 2018, which is a well-known domestic new materials company and a national high-tech enterprise setting R & D, production & sales, import & export trade as one, focusing on the high-tech new materials TPU and its downstream extrusion & injection molding products. Relying on the core technology of continuous innovation and efficient operation mode, the company provides customers with advanced products and perfect technical solutions.

Singbon always adheres to scientific and technological innovation as the first driving force, optimized product structure, and positioned the middle and high-end market. Our products are widely used in shoe and clothing industry, electronics, wire and cable, hose and tube, high-end medical, military industry, household goods and livelihood industries.

Singbon new materials adheres to the "first-class products recommended to first-class users" corporate mission, committed to becoming the world's first-class new materials brand enterprise. We will always practice the corporate responsibility of building a better life for human beings, drive development with innovation, build the brand with integrity, and constantly write new chapters in the field of new materials.



Singbon New Materials Industrial Park

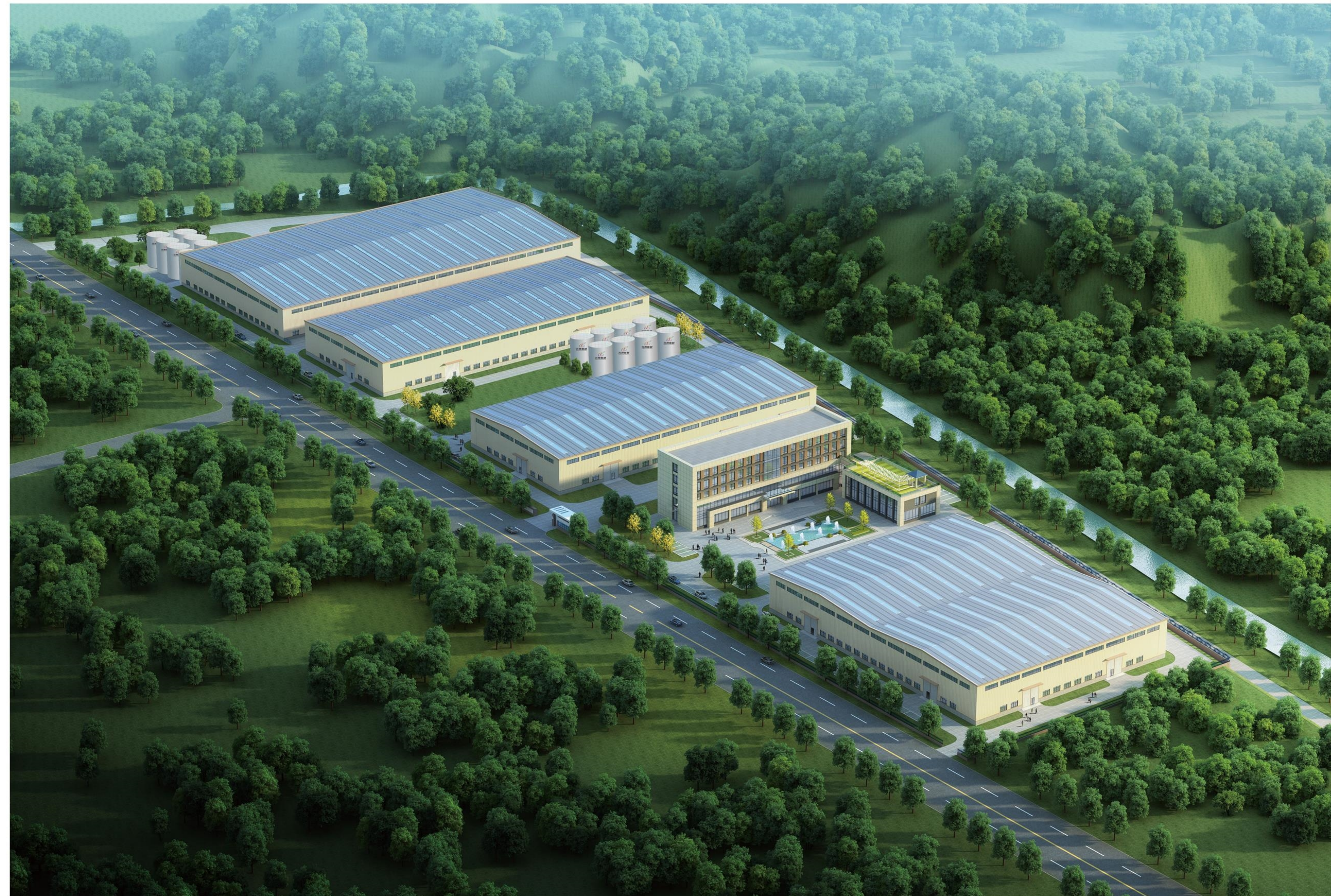
兴邦新材料产业园

2021年，兴邦新材斥资2.4亿元打造兴邦新材料产业园，园区占地面积65000m²，规划建设办公大楼及四个大型生产车间，产业园整体设计科学、系统、合理，办公大楼利用智慧能源系统、分布式光伏发电设施和空气源热泵机组等，实现大楼能源的综合高效利用，达到节能降碳目的，整个兴邦新材料产业园区已全部实现智能网络覆盖，打造成为业内领先的智慧工厂系统。同时公司斥巨资引入9条全自动化生产线，在降低能源和资源消耗的同时，大幅提升生产效能。兴邦新材料产业园目前已全部投产运行，可年产高分子聚酯3万吨，TPU及下游制品5万吨。

In 2021, Singbon New Materials invested 240 million RMB to build the Industrial Park which covers an area of 65,000 square meters and plans to build office building and four large production workshops.

The overall design of the industrial park is scientific, systematic and reasonable. In the office building smart energy systems, distributed photovoltaic power generation facilities and air source heat pump units can achieve make comprehensive and efficient utilization of the building's energy, so as to achieve energy conservation and carbon reduction. Full coverage of Intelligent network has been achieved in all areas, creating an industry-leading smart factory system.

At the same time, the company invested heavily to introduce 9 fully automated production lines, which significantly improved production efficiency while reducing energy and resource consumption. Now all production lines are operational, with an annual output of 30,000 tons of polymer polyester and 50,000 tons of TPU and downstream products.



Company Culture 企业文化

Company Position 企业定位

高分子聚酯、高科技新材料TPU及下游挤出产品、注塑产品的大型生产商
Large-scale manufacturer of polymer polyester, high-tech new material TPU and downstream extrusion & injection molding products

Company Vision 企业愿景

致力于成为国际一流的新材料品牌企业
Committed to becoming a world-class new material brand enterprise

Company Tenet 企业宗旨

兴邦新材，科技兴邦
Singbon new materials technologize nation

Company Spirit 企业精神

自尊、自信、自立、自强
self-esteem, self-confidence, self-reliance, self-improvement

Business Philosophy 经营理念

人才发展为根本，诚信经营为基石，科技创新为核心，高端发展为导向
Talent development is the foundation, honest management is the cornerstone, technological innovation is the core, and high-end development is the guide

Development Path 发展历程

2024年 科研创新 Continuous scientific research and innovation

科技研发再创新高
兴邦新材料产业园全部投产运行
公司新品研发成功，产品质量居于行业领先水平

In terms of scientific and technological research and development achieved new highs
All the facilities assembled in the Singbon New Materials Industrial Park are fully put into operation
A series of new products has successfully developed, and its product quality is at the leading level in the industry

2022年 飞速发展 Developing rapidly

兴邦新材料产业园一期顺利投产运行，并引入全自动化包装生产线，大幅提升生产效能
产业园二期开工建设，配备五条大型生产线
荣获山东省“专精特新”企业、“烟台市倍增计划培育企业”等荣誉称号

The first phase of large-scales production lines of Singbon New Materials Industrial Park was successfully put into operation smoothly, and a fully automated packaging system was introduced, which greatly improved production efficiency
The second phase of the factory's construction has started to build up in the industrial park with five large-scale production lines
Won the honorary titles of "Specialized, Special and New" Enterprise in Shandong Province and "Enterprise Cultivation Plan of Yantai City Doubling Plan" etc

2020年 产值破亿 Company's annual output value exceeds 100 million RMB

技术创新，稳扎稳打
建设第三条大型生产线,年产值破亿元
Technological innovation, steady progress
Set up the third large-scale production line with an annual output value exceeding 100 million RMB

2018年 公司成立 Company Established

定位于高科技新材料TPU及下游产品的专业生产
引入大型生产线，年产能突破1万吨
Dedicated to the professional production of high-tech new materials TPU and downstream products
Introduced large-scale production lines and annual production capacity exceeded 10,000 tons



2023年 Continue to cultivate deeply 行业深耕 in the plastic industry

兴邦新材料产业园二期建设完工，并全部投产运行
兴邦新材料亮相“第三十五届国际橡塑展”
荣获“山东省瞪羚企业”等荣誉称号
总经理于鹏荣获“泰山产业领军人才”、“烟台市优秀青年企业家”等荣誉称号

The second phase of construction in Singbon New Materials Industrial Park was completed and put into operation
Singbon New Materials attended the "35th International Rubber and Plastics Exhibition"
Won honorary titles such as "Shandong Province Gazelle Enterprise"
Mr. Yu Peng, general manager of Singbon New Materials, won the honorary titles of "Leading Talents of Taishan Industry" and "Outstanding Young Entrepreneurs of Yantai City"

2021年 Production being upgraded 产业升级

“国家高新技术企业”认证通过
兴邦新材料产业园开工建设
TPU产品供不应求，产销两旺
National high-tech enterprise certification passed
Singbon New Materials Industrial Park started to construct
TPU materials were in short supply and both production and sales were booming

2019年 Production capacity doubled 产能翻倍

建设第二条大型生产线
年产能呈翻倍态势
Construct and install the second large-scale production line
Production capacity is doubling

COMPANY HONOR

企业荣誉

PATENT CERTIFICATE

专利证书

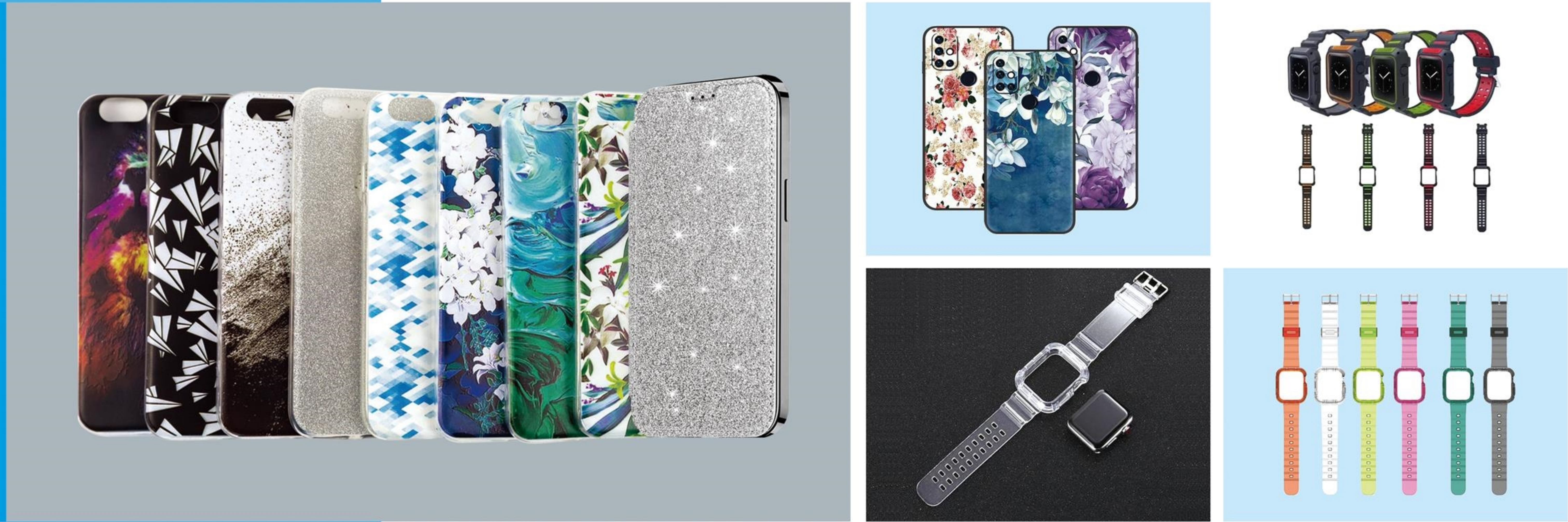


COOPERATIVE PARTNER 合作伙伴



T 系列

T375-T4095

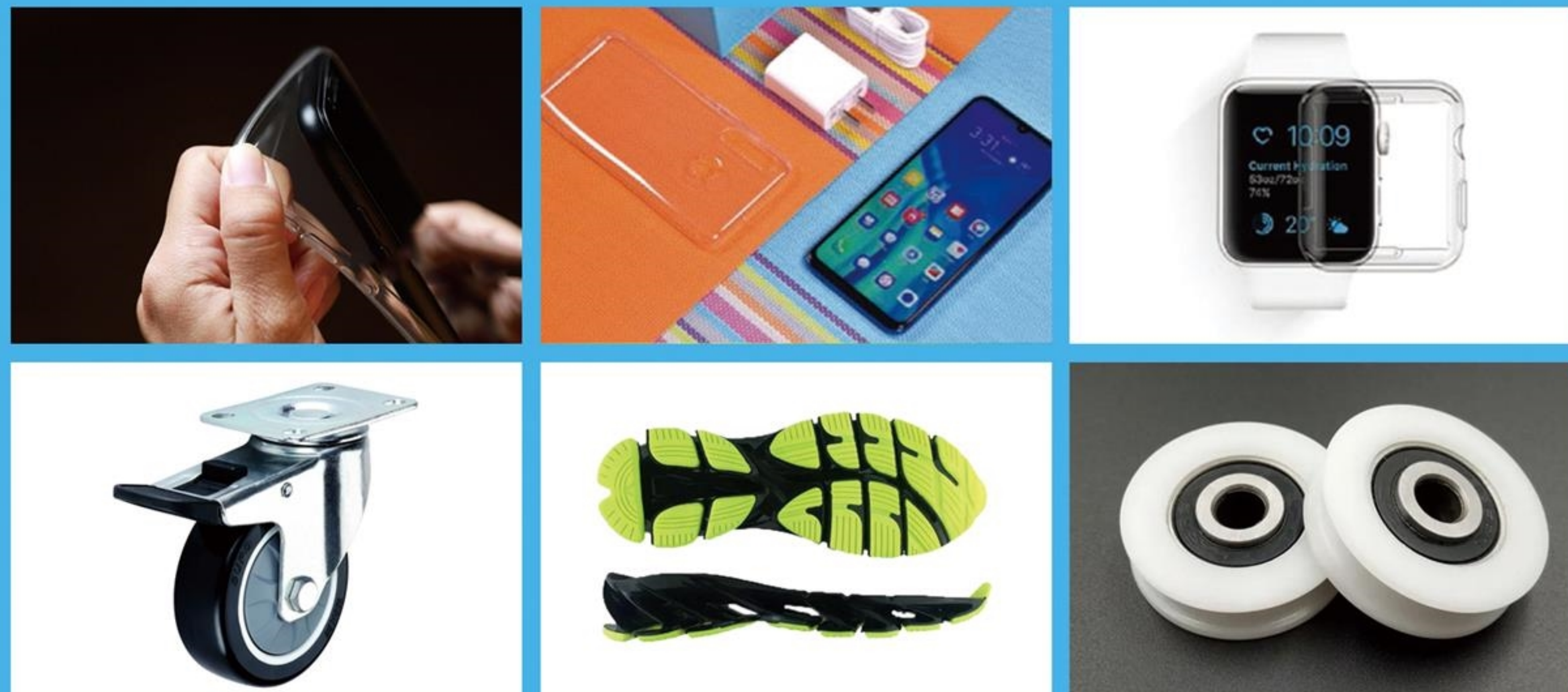


硬度 Shore A 75-D64
Hardness Shore A 75-D64

加工方式 注塑、挤出
Processing Injection and Extrusion

产品特性 良好的加工性、成型周期短、抗析出、高透明、包胶、抗变黄、易喷涂、经济实用性强
Features Excellent processing properties, Fast setting time, Anti-migration, High transparency, Easy to spray, High economic practicability.

应用领域 电子产品护套、鞋材、共混改性、脚轮、包胶等
Applications Phone & Pad Cover, Footwear, Compounding & Modifier, Caster, Over-molding etc.



项目 Items	硬度 Hardness	密度 Density	100%模量 100% Modulus	300%模量 300% Modulus	抗张强度 Tensile Strength	断裂伸长率 Elongation at Break	撕裂强度 Tear Strength	抗UV等级 UV resistance level
标准 Standard	ASTM D2240	ASTM D792	ASTM D412	ASTM D412	ASTM D412	ASTM D412	ASTM D624	-
单位 Unit	Shore A/D	g/cm ³	MPa	MPa	MPa	%	N/mm	-
T375/AU	78	1.21	5	10	32	600	110	4.5
T380/AU	85	1.21	5.5	11	32	550	112	4.5
T385/AU	87	1.23	6	12	35	550	115	4.5
T390/AU	93	1.24	11	19	38	500	160	4.5
T395/AU	96	1.26	14	22	38	450	180	4.5
T360D/AU	63D	1.26	19.2	31.6	47.3	459	172	4.5
T364D/AU	64D	1.26	16	23	34	400	190	4.5
T2360/AU	63	1.23	2.6	12.3	28	530	97	4.5
T2365/AU	64	1.22	2.8	6.7	25	705	69	4.5
T2370/AU	72	1.19	3.3	6.3	28	705	82	4.5
T2380/AU	82	1.25	4.1	8.5	23	704	87	4.5
T2385/AU	86	1.24	5.9	10.7	31	630	104	4.5
T2390/AU	94	1.25	8.3	13	27	604	113	4.5
T2395/AU	96	1.25	12.5	22.2	39	538	146	4.5
T2398/AU	97	1.25	15.1	25.3	37	462	158	4.5
T2360D/AU	63D	1.26	18.7	32.9	48	444	173	4.5
T2364D/AU	64D	1.26	18.9	40	40	437	170	4.5
T4080/AU	82	1.19	4.6	12.9	27.2	515	104	4.5
T4085/AU	87	1.20	8	15	45	600	130	4.5
T4090/AU	93	1.21	12	26	50	550	160	4.5
T4095/AU	96	1.22	14	28	55	500	180	4.5

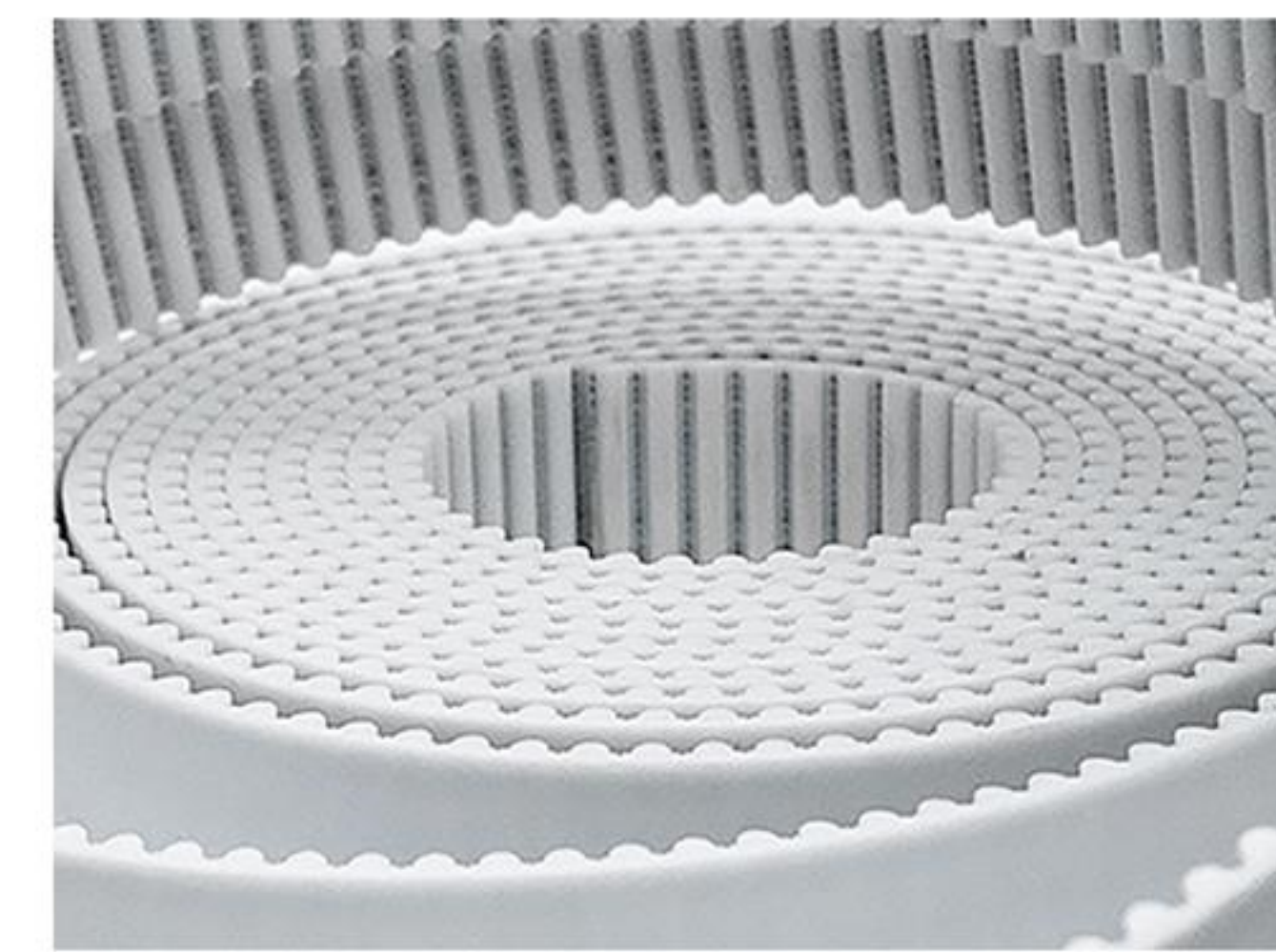
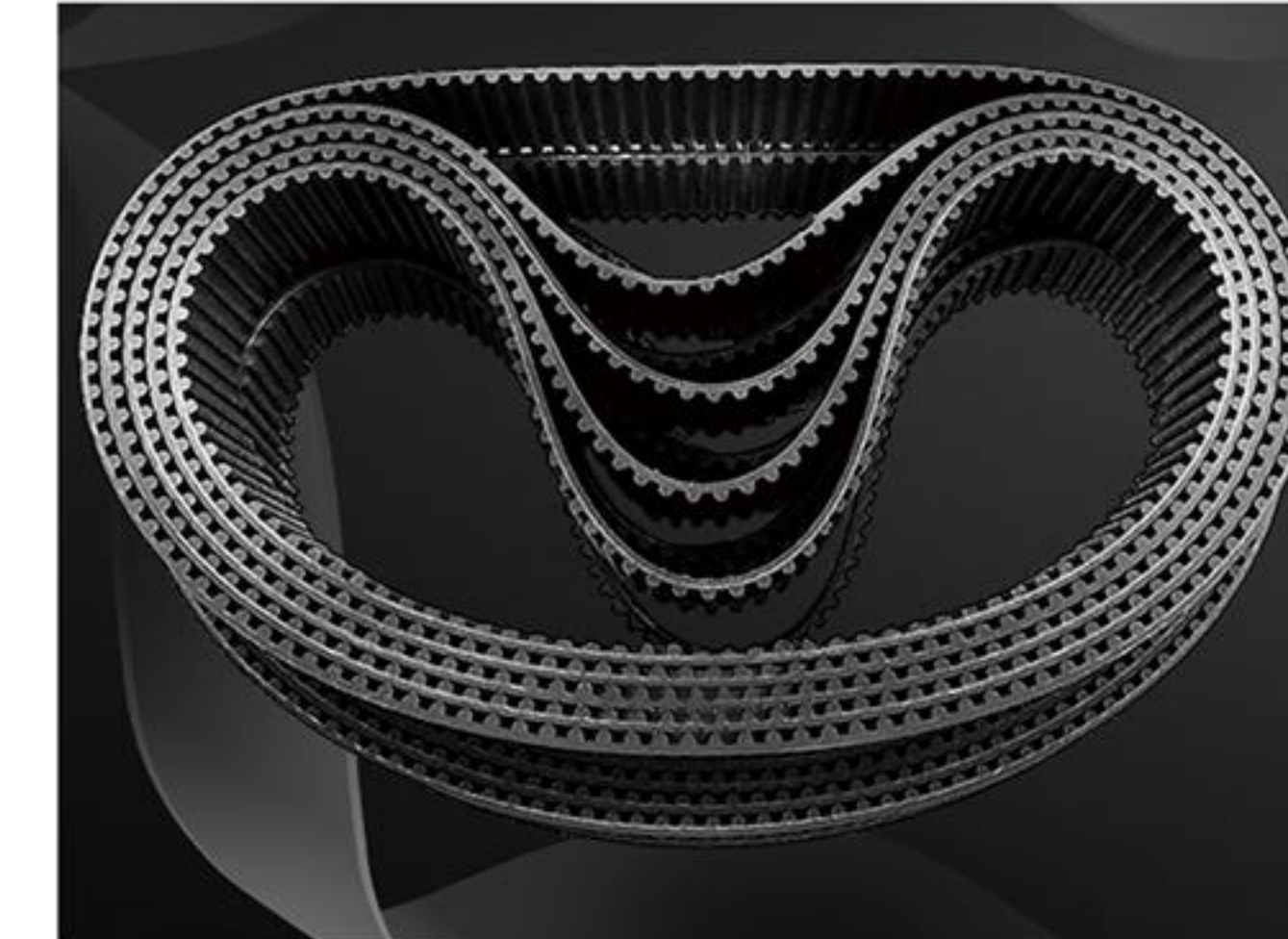
注：表中数据均为典型值，不能视为产品标准。

Note: The above values are shown as typical values and should not be used as specifications.

T 系列

T2001-T2004S

(脂肪族异氰酸酯PCD性TPU)



硬度 Shore A 85-96
Hardness Shore A 85-96

加工方式 注塑
Processing Injection.

产品特性 产品使用脂肪族异氰酸酯，具有优异的耐黄变性、耐油、耐溶剂、耐酸性和耐碱性及优异的橡胶弹性和稳定的硬度。HDI/PCD型与氯化MDI/PCL型相比冷却时间更短，可容易地注塑成型，脱模硬度更高

Features Excellent yellowing resistance, oil and solvent resistance, acid and alkaline resistance, Outstanding elasticity and stable hardness, Fast setting time

应用领域 广泛用于手表表带、密封件、变速箱传送带、手机边框等
Applications Watchband, Seals, Transmission belts, Mobile phone frames.



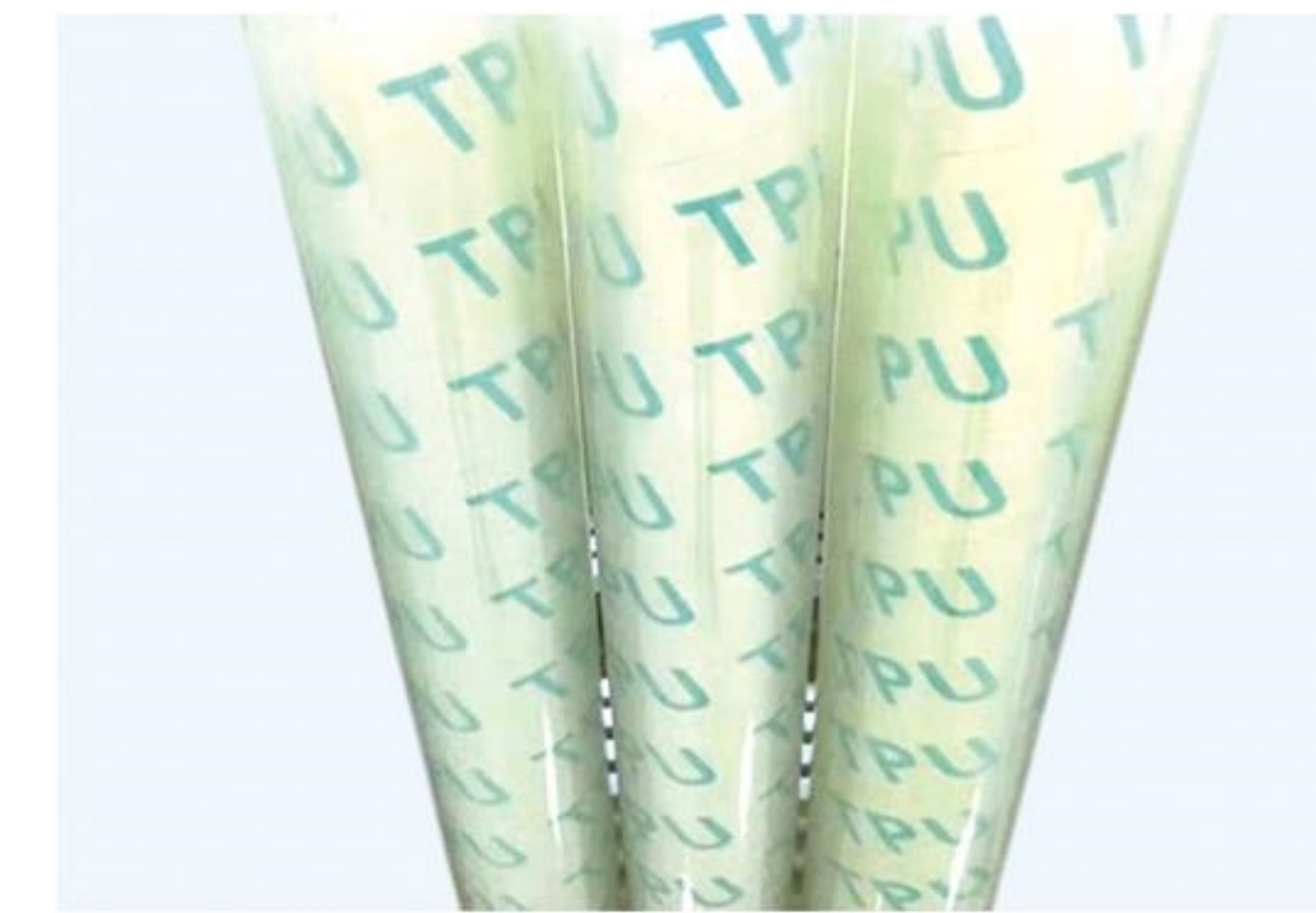
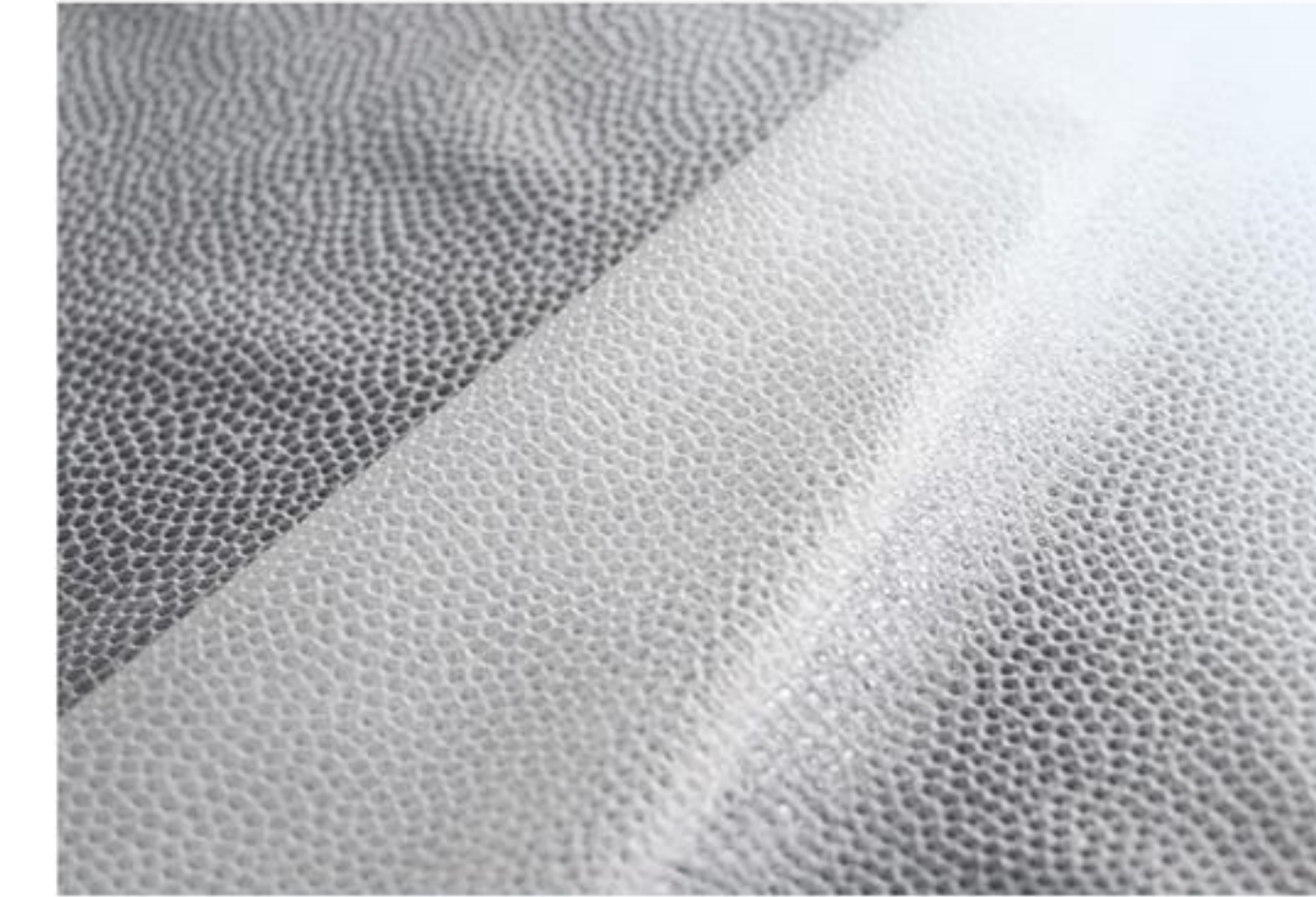
项目 Items	比重 Proportion	硬度 Hardness	100%模量 100% Modulus	拉伸强度 Tensile Strength	撕裂强度 Tear Strength	延伸率 Elongation Rate
标准 Standard	-	-	-	-	-	-
单位 Unit	-	ShoreA	MPa	MPa	KN/m	%
T2001	1.15	85	4.6	49	76	770
T2002	1.15	90	6.3	57	117	610
T2004S	1.15	96	7.8	56	131	650

注：表中数据均为典型值，不能视为产品标准。

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M系列

M1480-M1495



- 硬度** Shore A 80-95
- Hardness** Shore A 80-95
- 加工方式** 流延、压延、注塑、挤出
- Processing** Casting, Calendering, Injection, Extrusion.
- 产品特性** 良好的挤出稳定性、快速的成型性、优异的透明性和优良的力学性能
- Features** Good extrusion stability, Fast setting time, Excellent transparency and mechanical properties.
- 应用领域** 气动管、汽车配件、透明气垫、透明鞋材、薄膜、鞋服等
- Applications** Hose & Tube, Automotive parts, Caster, Footwear, Film, Clothing and Footwear etc.

项目 Items	硬度 Hardness	密度 Density	100%模量 100% Modulus	300%模量 300% Modulus	抗张强度 Tensile Strength	断裂伸长率 Elongation at Break	撕裂强度 Tear Strength
标准 Standard	ASTM D2240	ASTM D792	ASTM D412	ASTM D412	ASTM D412	ASTM D412	ASTM D624
单位 Unit	Shore A/D	g/cm ³	MPa	MPa	MPa	%	N/mm
M1480	80	1.20	5	10	35	600	90
M1485	85	1.20	6	11	36	580	95
M1490	90	1.20	7	12	37	460	100
M1495	95	1.21	14	28	38	420	148

注：表中数据均为典型值，不能视为产品标准。

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G系列

G85-G98



- 硬度** Shore A 85-98
- Hardness** Shore A 85-98
- 加工方式** 挤出、注塑
- Processing** Extrusion, Injection
- 产品特性** 优异的耐磨性、耐油/溶剂性、抗低温曲挠性、抗高压性、优异的力学性能
- Features** Excellent abrasion resistance, Oil/Solvent resistance, Low temperature flexibility, High pressure resistance, Excellent mechanical properties.
- 应用领域** 管材、密封圈、共混改性、脚轮、鞋材、汽车配件等
- Applications** Hose & Tube , Seal & Gasket , Compounding & Modifier, Caster, Footwear, Automotive parts etc.

项目 Items	硬度 Hardness	密度 Density	100%模量 100% Modulus	300%模量 300% Modulus	抗张强度 Tensile Strength	断裂伸长率 Elongation at Break	撕裂强度 Tear Strength
标准 Standard	ASTM D2240	ASTM D792	ASTM D412	ASTM D412	ASTM D412	ASTM D412	ASTM D624
单位 Unit	Shore A/D	g/cm ³	MPa	MPa	MPa	%	N/mm
G85	87	1.20	6	11	35	560	115
G90	93	1.22	11	20	40	500	160
G95	96	1.23	13	22	45	450	180
G98	98	1.24	15	24	45	450	190

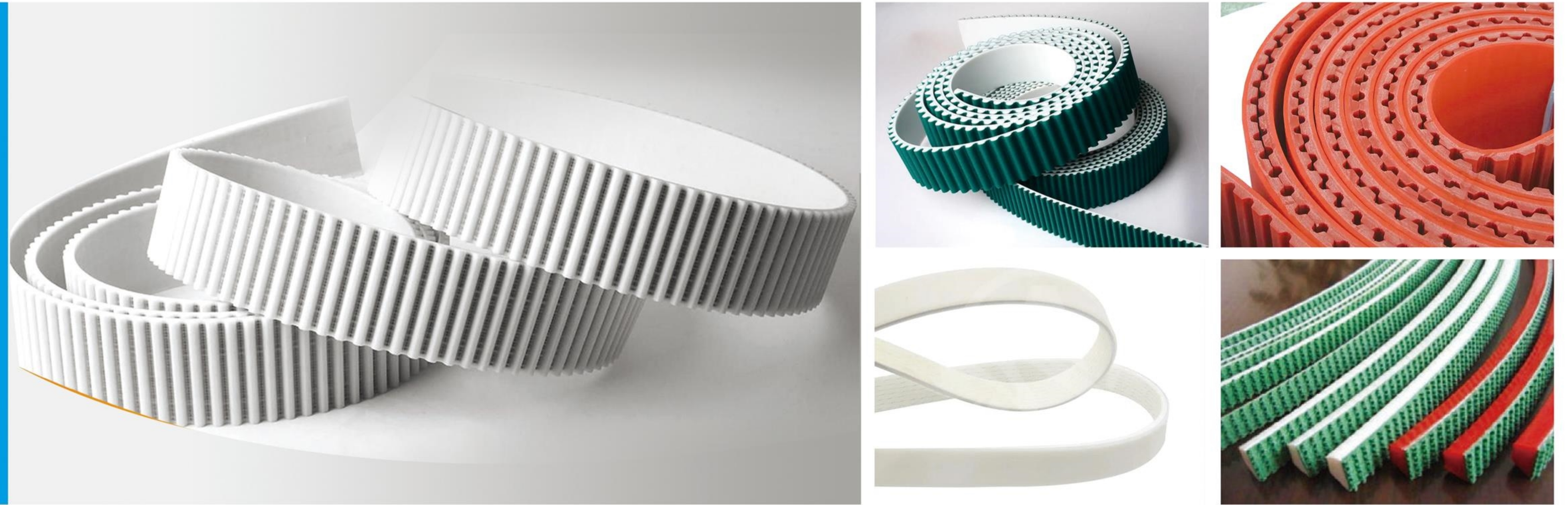
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S系列

S1180-S1198



- 硬度** Shore A 80-98
- Hardness** Shore A 80-98

- 加工方式** 挤出、注塑
- Processing** Extrusion, Injection.

- 产品特性** 优异的耐磨性、耐油/溶剂性、抗低温曲挠性、抗高压性、优异的力学性能
- Features** Excellent abrasion resistance, Oil/Solvent resistance, Low temperature flexibility, High pressure resistance, Excellent mechanical properties.

- 应用领域** 传送带、管材、密封圈、线缆、共混改性、汽车配件、脚轮、鞋材、包胶等
- Applications** Belt, Hose & Tube, Seal & Gasket, Compounding, Wire & Cable, Automotive parts, Caster, Footwear, Over-molding etc.

项目 Items	硬度 Hardness	密度 Density	100%模量 100% Modulus	300%模量 300% Modulus	抗张强度 Tensile Strength	断裂伸长率 Elongation at Break	撕裂强度 Tear Strength	玻璃化转变温度 Tg
标准 Standard	ASTM D2240	ASTM D792	ASTM D412	ASTM D412	ASTM D412	ASTM D412	ASTM D624	DSC
单位 Unit	Shore A/D	g/cm ³	MPa	MPa	MPa	%	N/mm	℃
S1180	82	1.20	5	10	35	600	100	-35
S1185	87	1.20	6	15	40	550	120	-30
S1190	93	1.21	10	21	45	500	140	-25
S1195	96	1.22	15	25	50	450	140	-25
S1198	98	1.22	18	25	55	450	150	-20

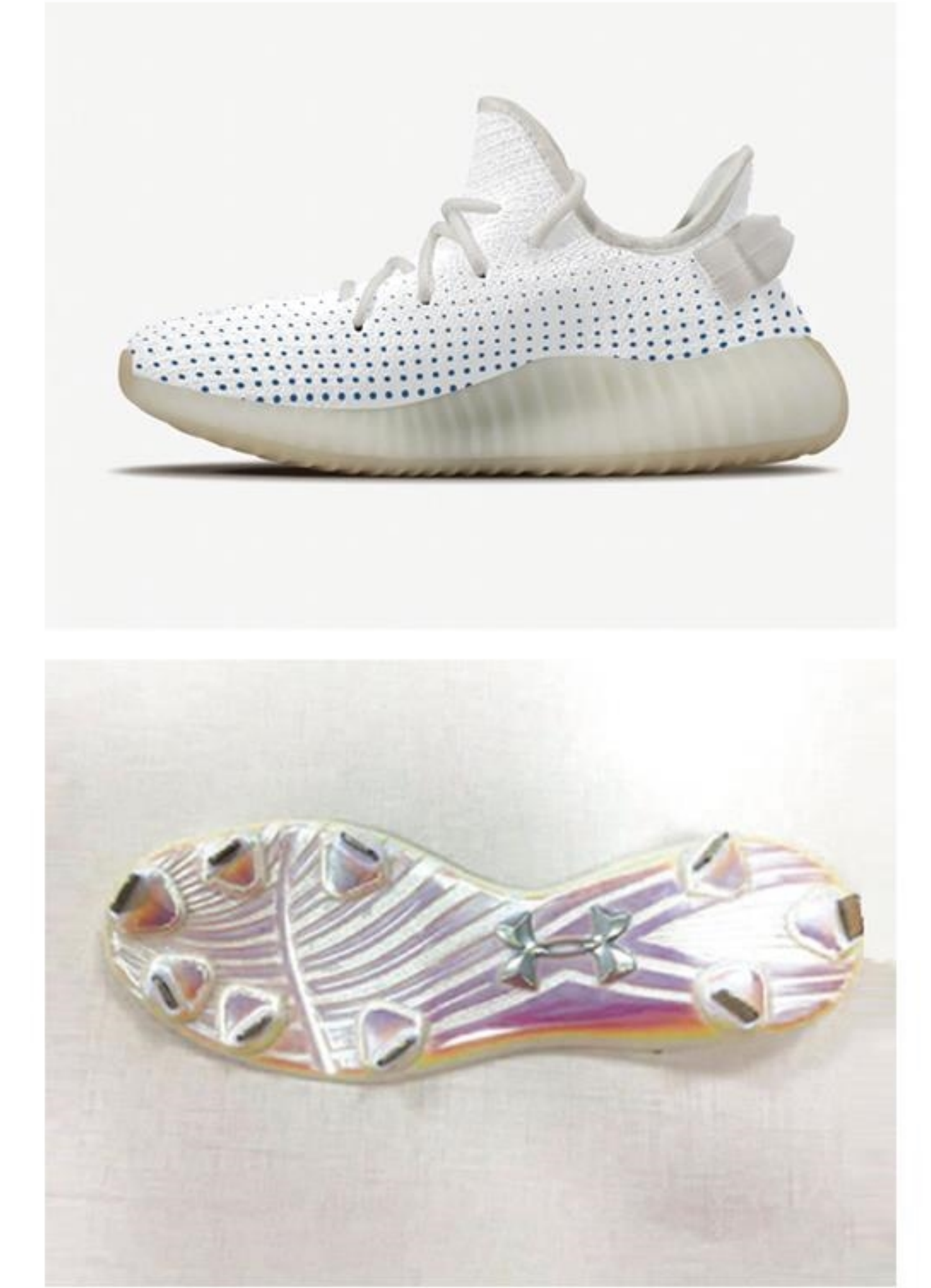
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X 系列

X75-X98



硬度 Shore A 75- D64
Hardness Shore A 75- D64

加工方式 注塑
Processing Injection

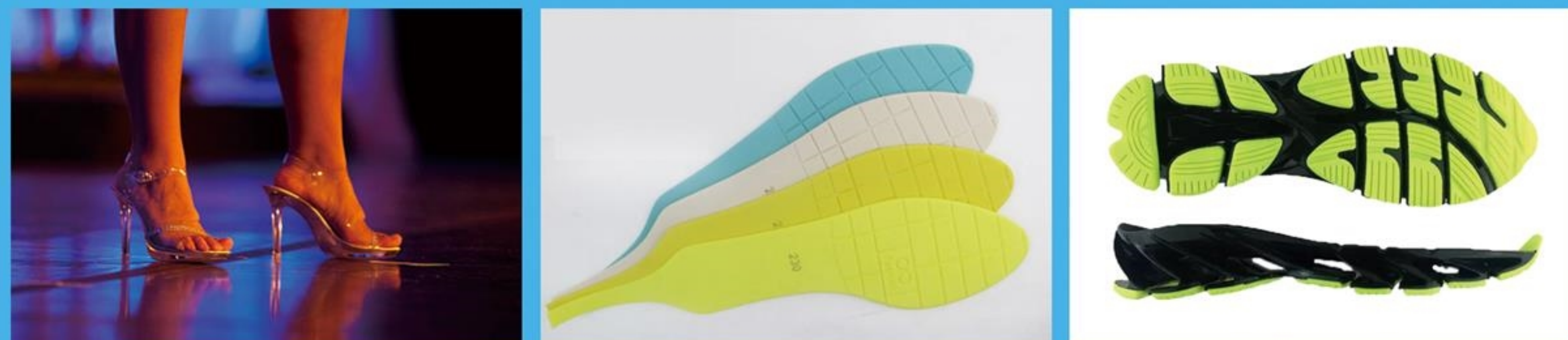
产品特性 良好的加工性、成型周期短、抗析出、高透明、易喷涂、经济实用性高
Features Excellent processing properties, Fast setting time, Anti-migration, High transparency, Easy to spray, High economic practicability.

应用领域 鞋材配件、时装鞋底等
Applications Shoe accessories, Fashion soles etc.

项目 Items	硬度 Hardness	密度 Density	100%模量 100% Modulus	300%模量 300% Modulus	抗张强度 Tensile Strength	断裂伸长率 Elongation at Break	撕裂强度 Tear Strength
标准 Standard	ASTM D2240	ASTM D792	ASTM D412	ASTM D412	ASTM D412	ASTM D412	ASTM D624
单位 Unit	Shore A/D	g/cm ³	MPa	MPa	MPa	%	N/mm
X60	63	1.23	2.8	10.6	26	548	95
X65	68	1.23	2.9	7.4	20	667	92
X70	75	1.27	3.2	6.9	25	666	79
X75	78	1.24	5	10	32	600	110
X80	82	1.24	5	10.5	32	600	112
X85	87	1.24	6	11	35	550	115
X90	93	1.25	10	18	38	450	160
X95	95	1.25	14	22	40	400	180
X98	96	1.25	16	24	45	400	200

注：表中数据均为典型值，不能视为产品标准。

Note: The above values are shown as typical values and should not be used as specifications.



H系列

H206-H306



硬度 Shore A 90- 95
Hardness Shore A 90- 95

加工方式 注塑、挤出
Processing Injection ,Extrusion.

产品特性 溶解速度快、强结晶性、初始粘结强度和最终粘结强度高

Features Good solvent solubility, Fast crystallization, Excellent bonding strength.

应用领域 织物涂覆、鞋胶、消防水带、溶剂胶、热熔胶膜等
Applications Fabric coating, Toe puffs & counters, Fire hose, Solvent adhesives, Hot melt adhesive film.

项目 Items	硬度 Hardness	密度 Density	抗张强度 Tensile Strength	断裂伸长率 Elongation at Break	流动开始时间 Initial flowing time	溶液粘度 Solution viscosity	表干时间 Tack free time	最低热活化温度 Minimum thermal activation temperature
标准 Standard	ASTM D2240	ASTM D792	ASTM D412	ASTM D412	—	ISO3219	—	—
单位 Unit	Shore A/D	g/cm ³	MPa	%	℃	mPa.s	min	℃
H206	95	1.20	35	650	85	300-800	13	55-65
H212	95	1.20	38	650	85	800-1500	14	55-65
H220	95	1.20	40	650	90	1500-1500	15	55-65
H230	95	1.20	40	650	90	1500-2500	15	55-65
H306	95	1.16	25	650	90	300-800	4	60-70

注：表中数据均为典型值，不能视为产品标准。

Note: The above values are shown as typical values and should not be used as specifications.



E-TPU

E-TPU 爆米花新科技



产品特性 良好的加工性、成型周期短、抗析出、高透明、易喷涂、经济实用性高
Features Excellent processing properties, Fast setting time, Anti-migration, High transparency, Easy to spray, High economic practicability.

E-TPU是一种新型发泡TPU。封闭的泡孔结构结合TPU优良的特性，将两者优势完美地融为一体，使得E-TPU成型体材料质地柔软、弹性极佳，不但适合制作运动鞋中底和内底，还适合于反复冲击，运动保护，阻尼，家居用品，底载荷免充气轮胎等多个领域。

E-TPU is a new type of foaming TPU. The closed foam structure can be integrated perfectly with TPU's excellent properties which makes E-TPU molding soft and elastic. It is not only suitable for the production of the middle and inner soles of sports shoes, but also suitable for the fields of repeated impact, sports protection, damping, household goods, bottom load non-inflatable tires etc.





TPU

TPU Cutting Board 抗菌砧板



产品特性 食品级材质、防刮耐磨、不留刀痕不掉屑、随意弯折、耐高温
Features Food grade material, scratch resistance and wear-resistance, no knife marks, no chips, free bending, high temperature resistance.



 食品级安全材质
 不含双酚A



TPU抗菌砧板以食品级TPU新材料为原料，环保无毒可降解，首创添加纳米级银离子技术实现持续抗菌，结合防滑条、导水槽、创意挂孔等功能性工学设计以及色彩、外观等美学设计，创造性的将健康、环保、功能和美学融为一体，致力于打造一款高端时尚的厨房砧板，定义未来绿色高端的生活方式。

Using food grade TPU as raw material, it is environmentally friendly, non-toxic and degradable. It is the first to add nano-level silver ion technology to realize continuous antibacterial. Combined with functional engineering design such as non-slip strip, guiding sink, creative hanging hole and aesthetic design such as color and appearance, we creatively integrates health, environmental protection, function and aesthetics for creating a high-end and fashionable kitchen cutting board and defining the future green high-end lifestyle.

INTERNATIONAL MARKET 产品出口市场分布

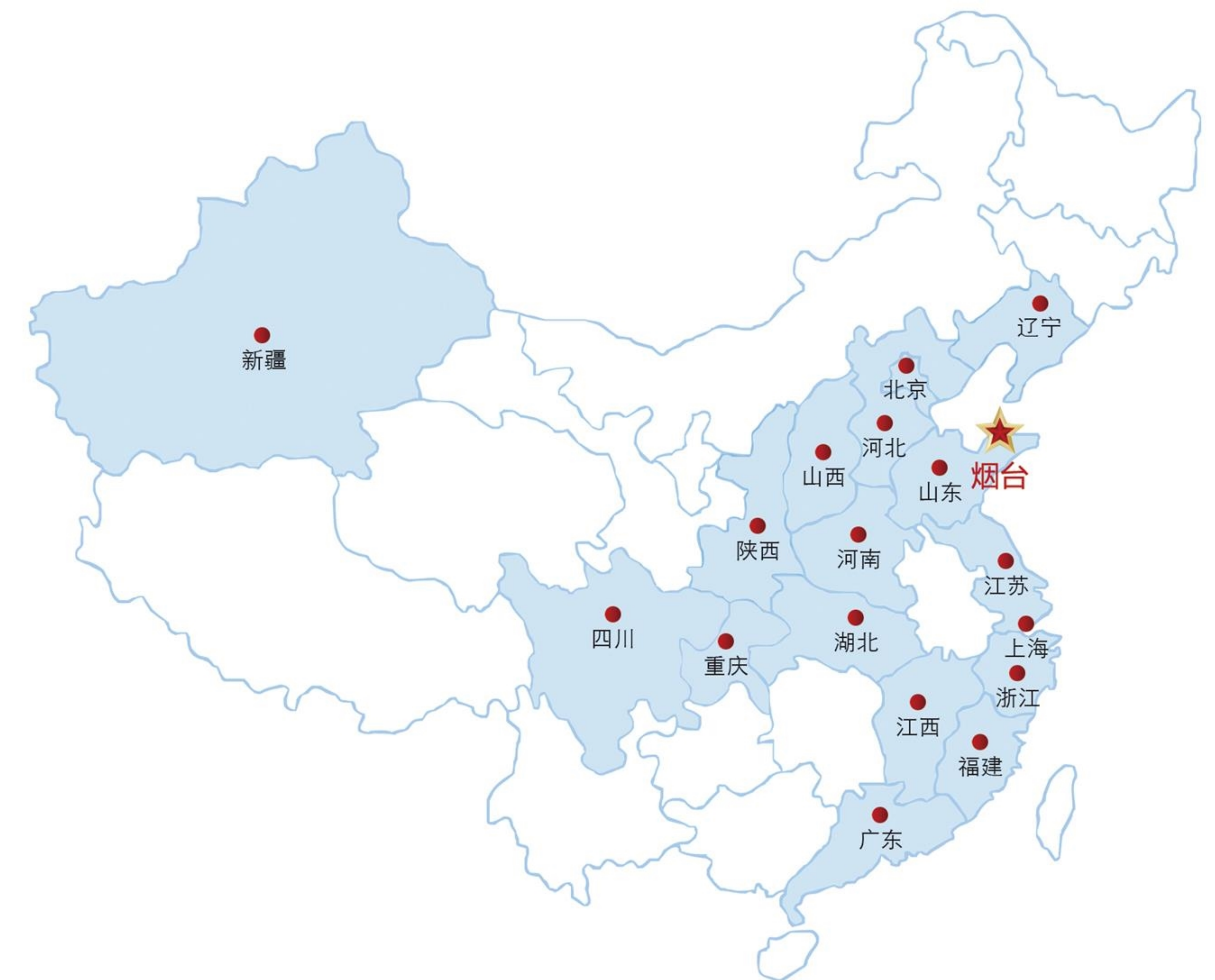


DOMESTIC MARKET 产品国内市场分布



产品远销欧美、东南亚等数十个国家和地区，现已与日本东曹、巴斯夫、拜耳、韩国锦湖三井、烟台万华、温州华峰等国内外化工公司强强联手，建立长期密切的合作关系。未来将不断在化工新材料领域技术创新，为国内外客户提供高质量的产品和优质化的服务，为人类创造更美好的生活。

Our products are exported to Europe, America, India, South East Asia, etc. We have been cooperating with domestic and foreign chemical companies such as Japan's Tosoh, BASF, Bayer, South Korea's Kumho Mitsui, Yantai Wanhua, Wenzhou Huafeng, etc. In future, we will continue to innovate in the field of new chemical materials, provide high-quality products and services for domestic and foreign customers, and create a better life for human beings.



兴邦新材拥有雄厚的技术力量和科学完备的管理体系，在国内拥有稳定客户群，主导产品市场占有率达到40%以上。

Singbon new materials has strong technical force and complete management system, We have a stable domestic customer base covering a market share of more than 40% of leading products.



LEGAL DISCLAIMER 产品免责声明

本资料所给出的数据为典型值，仅供参考。具体保证指标以销售合同规定为准。用户对于所购买的我公司的产品有责任进行测试，以验证是否合适所用商品的工艺、用途和标准。对我公司产品的应用、加工受多种因素影响，均非我公司所能控制，因而一概由用户本身负责。

协助解决客户在使用我公司产品过程中出现的技术问题是我们义不容辞的责任，但是任何由于技术指标导致的客户间接的损失均不在我公司赔偿的范围之内。

在任何情况下，我公司均不承担以下责任：

- 1.间接的、继发的、伴随的损失、可得利润的损失；
- 2.因转售、租赁、赠与该产品而导致客户以外的第三方的损失；
- 3.购买我公司产品以外的其他原材料、人工损失、水电损失及维护费用损失、停产损失；

The data given in this document are typical values for reference only. The specific data indicators will be subject to the provisions of the sales contract. The customer should have responsibility to test the product to verify the suitability of the proposed processes, applications and standards. The application and processing of our products are affected by various factors, which are beyond the control of our company. Therefore, it is entirely the responsibility of the customers.

It is incumbent upon us to assist customers in solving the technical problems arising from using our products. However, any indirect loss of customers caused by technical indicators shall not be covered by Singbon.

Under no circumstances shall our company assume any of the following responsibilities:

1. Indirect, secondary, concomitant loss, loss of available profit;
2. Loss of a third party other than the customer due to resale, lease or gift of the product;
3. Purchase of raw materials other than our products, loss of labor force, loss of water and electricity expenses, loss of maintenance costs, loss of production suspension;



PRODUCTS CONSIDERATIONS 产品注意事项

储存

TPU是对水分极为敏感的材料，而且吸湿的TPU会给后期的加工成型带来不利的影响。因此，TPU必须在密闭、干燥、阴凉处存放，开袋产品应置于干燥器内。严禁袋装TPU产品与水接触或放置于湿度较高的场所，开袋后的产品严禁长时间露天放置，一旦出现类似情况，吸湿程度较低的可延长干燥时间；若吸湿程度较高则不能再使用，应作为废料处理。

安全

TPU属于较为安全的材料，如果接触到TPU原材料或产品感到不适，应立即停止接触，严重者需马上就医。TPU在加工过程中会出现高温、熔融，此期间不要直接接触，以防烫伤。

环保

根据环保法规定，TPU为正常废料，如果允许可以进行掩埋、焚烧处理。

兴邦包装袋符合环保要求，使用完成后应对废弃包装物进行分类回收，防止对环境造成污染。

STORAGE

TPU is hygroscopic which adversely affect its processing and molding. Therefore, products must be sealed and stored in a cool and dry area. Products should be placed in a dryer space after use. Products are strictly prohibited from contacting with water or being stored in places with high humidity. Products are strictly prohibited from being placed in the open air for a long time after use. Once occurs, the drying time can be extended if the moisture absorption is low. Products can not be used and treated as scrap for high moisture absorption.

SECURITY

TPU is a relatively safe material. If you feel uncomfortable with TPU raw material or products, you should stop immediately. In severe cases, you should seek medical treatment immediately. During processing, TPU will be melting in high temperature. Do not touch it directly for fear of scald.

ENVIRONMENTAL PROTECTION

Singbon TPU are fully reacted and present no hazard to the environment. Waste can therefore be disposed at public waste disposal sites. The official regulations on waste disposal should be observed.

our packing meet the environmental protection requirement and should be sorted and recycled after use to prevent the environment from pollution.