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**BIG BRAND
HIGH QUALITY
MADE IN CHINA**

**THERMOPLASTIC
ELASTOMER**

01-B PRODUCT TESTING



REACH Certification

The company has obtained a REACH regulation test compliance report, confirming that its products do not contain 251 restricted chemicals specified in the REACH regulation, including nitrophenol. In February 2026, n-hexane, BPAF and its salts will be officially added, increasing the total to 253 restricted substances.

ROHS Certification

It has also secured a RoHS test compliance report, a crucial environmental certification issued by the SGS certification body. RoHS restricts the use of substances such as lead, mercury, cadmium, polybrominated biphenyls (PBBs), and polybrominated diphenyl ethers (PBDEs), aiming to regulate electrical and electronic products.

SDS

Additionally, the company has obtained Safety Data Sheets (SDS) issued by SGS, which cover 16 product safety elements.

TDS

Compiled by the company's Technical Department, the 2026 version of the Technical Data Sheet (TDS) is available in both Chinese and English.

PRODUCTS AND SERVICES / 02

02-A | Quality Certification

We strive for high-quality products and services, and comprehensively enhance the three core pillars of technology, quality and service.

We are currently undergoing the following system certifications:



◆ **ISO9001** Quality Management System



◆ **ISO14000** Environmental Management System



◆ **ISO45001** Occupational Health and Safety Management System

◆ **REACH** EU Chemicals Regulatory System

◆ **GHS** UN Chemical Regulatory System.

◆ **TSCA** U.S. Chemical Regulatory System

Providing high - quality product and service experiences to consumers worldwide

Adhering To The Philosophy Of "pursuing Green Technology, Embracing A Healthy Life"

02-B | PRODUCT FEATURES



Excellent Temperature Resistance

Its embrittlement temperature is $\leq -60^{\circ}\text{C}$, maximum service temperature reaches 149°C , and decomposition temperature exceeds 270°C in an oxygen atmosphere.



Outstanding Aging Resistance

After one week of aging in an artificial accelerated aging chamber, the performance degradation rate is less than 10%; after 100 hours of ozone aging at 38°C , the performance degradation is also less than 10%.



Superior Electrical Properties

Its dielectric constant is 1.3×10^{-4} at 1 kHz and 2.3×10^{-4} at 1 MHz; the volume resistivity is $9 \times 10^{16} \Omega/\text{cm}$ at 1 minute and $2 \times 10^{17} \Omega/\text{cm}$ at 2 minutes.



Good Solubility, Blending, and Oil - Extending Properties

It is soluble in many common solvents, with a solubility parameter ranging from 7.2 to 9.6. It can be blended with various polymers and extended with oils commonly used in the rubber industry, such as white oil or naphthenic oil.



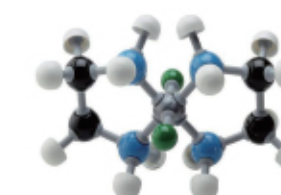
Elastomer Usable Without Vulcanization

It has processing performance similar to SBS, and leftover materials can be reused, complying with environmental protection requirements, non - toxic, and meeting the U.S. FDA standards.



Low Specific Gravity

Approximately 0.9-0.94, enabling the production of larger - volume products with the same weight.





02-C Product Overview

Our products are widely used in footwear, auto parts, wires and cables, medical care, food, adhesives, toys, polymer blending modification and other fields. They are the ideal alternative to toxic pvc, and are especially suitable for toys, packaging, medical device accessories, racing tires, building materials and other fields closely related to human health.



MEDICAL MATERIALS

◆ MAIN ADVANTAGE

Low coefficient of friction; easy extrusion molding; sterilizable, safe and hygienic; recyclable, compliant with FDA and heavy metal content requirements, a recognized eco-friendly material.



◆ APPLICATION EXAMPLE

Elastic grips for medical equipment, elastic casters for medical apparatus; container straps; gas masks; bottle stoppers; medical massage materials with various hardness levels; infusion or blood transfusion tubes, thoracic drainage hoses; tourniquets; peristaltic pump hoses; urinary catheters.



OUR
PRODUCTS

AUTO PARTS

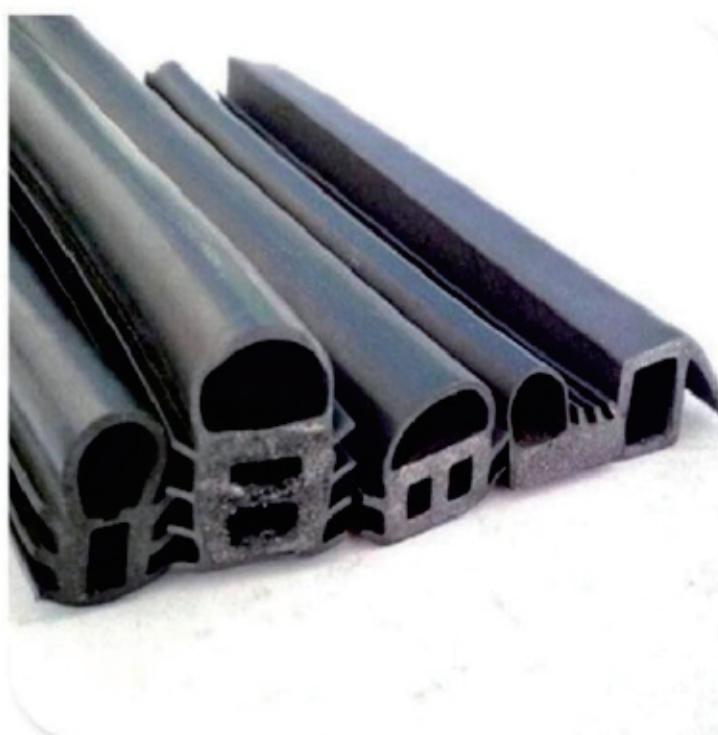
◆ MAIN ADVANTAGE

With direct injection or extrusion molding available, it can replace traditional rubber and PVC in terms of cost and light weight.

◆ APPLICATION EXAMPLE

Automotive door and body sealing strips; airbags, anti-collision protective sleeves; multi-functional steering wheel outer cushions; automotive fenders, rubber-coated dust covers, foot mats; go-kart grip tires, buckles, rainproof rubber, sound-absorbing asphalt boards, water retainers, automotive interior trim, automotive carpets.

OUR
PRODUCTS



FIELD OF SHOE MATERIALS

◆ MAIN ADVANTAGE

SEBS foamed material features soft and mild texture; EVA modified with SEBS foamed material has better dynamic viscoelasticity, which can be used to produce high-resilience, shock-absorbing foamed shoe soles.

◆ APPLICATION EXAMPLE

Foamed shoe soles for sports shoes, slippers, leather shoes, children's shoes and other types of footwear.

OUR
PRODUCTS



Product Purpose And Features

DRY ADHESIV

XJ-3032 Polymer

◆ Scope Of Application

Mainly used in hot melt adhesives and adhesive industry, applicable for producing various types of adhesives, plastic modification and toughening, and waterproofing.



◆ Product Features

- 1 High Tensile Strength
- 2 Strong Cohesion
- 3 Good Bonding Effect
- 4 Stable Product Quality

◆ Technical Parameters

Performance Index	Unit	Performance Parameters	Performance Index	Unit	Performance Parameters
Structure		Linear	Tensile Strength	Mpa	≥24.0
Block Ratio (S/B)		40/60	Elongation	%	≥700
Oil Content	%	0	Permanent Deformation	%	≤50
Volatility	%	≤ 0.70	Hardness Shore	A	88~92
Ash Content	%	≤ 0.20	Melt Flow Rate	g/10min	0.50~5.00
Stress At300%	Mpa	≥ 3.5	Viscosity Of 25 Wt% Toluene Solution	mPa · s	700~1300

Product Purpose And Features

DRY ADHESIV

XJ-3046 Polymer

◆ Scope Of Application

Mainly used in footwear, transparent toys, adhesives and plastic modification; with superior physical and mechanical properties.



◆ Product Features

- 1 High Transparency
- 2 Safety Environmental Protection
- 3 Recyclable Reprocessing
- 4 Superior Temperature Resistance Properties

◆ Technical Parameters

Performance Index	Unit	Performance Parameters	Performance Index	Unit	Performance Parameters
Structure		Linear	Tensile Strength	Mpa	≥ 26.0
Block Ratio (S/B)		40/60	Elongation	%	≥ 700
Oil Content	%	0	Permanent Deformation	%	≤ 50
Volatility	%	≤ 0.50	Hardness Shore	A	88~92
Ash Content	%	≤ 0.20	Melt Flow Rate	g/10min	3.00~9.00
Stress At300%	Mpa	≥ 3.0	Viscosity Of 25 Wt% Toluene Solution	mPa · s	400~800

Product Purpose And Features

DRY ADHESIV

XJ-6011
Polymer

◆ Scope Of Application

Mainly used in footwear, TPE rubber products, mixing modification, adhesives and asphalt modification.



◆ Product Features

- 1 High Strength And High Viscosity
- 2 Improve The Weather Resis- Tance And Low-temperature Properties Of Plastics
- 3 Recyclable Reprocessing
- 4 Has Superior Physicaland Mechanical Properties

◆ Technical Parameters

Performance Index	Unit	Performance Parameters	Performance Index	Unit	Performance Parameters
Structure		Star-Shaped	Tensile Strength	Mpa	≥ 14
Block Ratio (S/B)		30/70	Elongation	%	-
Oil Content	%	0	Permanent Deformation	%	-
Volatility	%	≤ 0.70	Hardness Shore	A	≥ 70
Ash Content	%	≤ 0.2	Melt Flow Rate	g/10min	-
Stress At300%	Mpa	-	Viscosity Of 15 Wt% Toluene Solution	mPa · s	1100

Product Purpose And Features

DRY ADHESIV

XJ-6052
Polymer

◆ Scope Of Application

Mainly used in footwear, waterproof asphalt modification, technical blending and adhesives.



◆ Product Features

- 1 High Porosity
- 2 Easy To Disperseand Process
- 3 Safety And Environmental Protection

◆ Technical Parameters

Performance Index	Unit	Performance Parameters	Performance Index	Unit	Performance Parameters
Structure		Star-Shaped	Tensile Strength	Mpa	≥ 20
Block Ratio (S/B)		40/60	Elongation	%	≥ 580
Oil Content	%	0	Permanent Deformation	%	≤ 50
Volatility	%	≤ 0.70	Hardness Shore	A	≥ 85
Ash Content	%	≤ 0.2	Melt Flow Rate	g/10min	0.01~0.3
Stress At300%	Mpa	≥ 3.2	Viscosity Of 15 Wt% Toluene Solution	mPa · s	650

Product Purpose And Features

Oil-based Glue

XJ-6115 Polymer

◆ Scope Of Application

Mainly used in footwear, TPE rubber products, mixing modification, adhesives and asphalt modification.



◆ Product Features

- 1

 Excellent Elasticity
- 2

 Low Temperature Resistance
- 3

 Breathability
- 4

 Temperature Slip Resistance

◆ Technical Parameters

Performance Index	Unit	Performance Parameters	Performance Index	Unit	Performance Parameters
Structure		Star-Shaped	Tensile Strength	Mpa	≥ 16.0
Block Ratio (S/B)		40/60	Elongation	%	≥ 700
Oil Content	%	10	Permanent Deformation	%	≤ 50
Volatility	%	≤ 0.70	Hardness Shore	A	≥ 85
Ash Content	%	≤ 0.2	Melt Flow Rate	g/10min	0.01~1.0
Stress At300%	Mpa	≥ 3.5	Viscosity Of 25 Wt% Toluene Solution	mPa · s	500

Product Purpose And Features

Oil-based Glue

XJ-6375 Polymer

◆ Scope Of Application

Mainly used in plastic toughening, shoe sole processing, compound modification, and asphalt modification.



◆ Product Features

- 1

 No Need For Sulfur Addition
- 2

 It Has The Characteristics Of Vulcanized Rubber
- 3

 Has Superior Physicaland Mechanical Properties

◆ Technical Parameters

Performance Index	Unit	Performance Parameters	Performance Index	Unit	Performance Parameters
Structure		Star-Shaped	Tensile Strength	Mpa	≥14.0
Block Ratio (S/B)		40/60	Elongation	%	≥ 850
Oil Content	%	33	Permanent Deformation	%	≤ 45
Volatility	%	≤ 0.70	Hardness Shore	A	≥ 60
Ash Content	%	≤ 0.20	Melt Flow Rate	g/10min	1.00~7.00
Stress At300%	Mpa	≥ 1.4	Viscosity Of 25 Wt% Toluene Solution	mPa · s	400

Product Purpose And Features

Oil-based Glue

XJ-6385 Polymer

◆ Scope Of Application

Mainly used in footwear manufacturing, plastic toughening, adhesives, and asphalt modification.



◆ Product Features

- 1** Excellent Elasticity
- 2** More Flexible
- 3** More Wear-resistant
- 4** Temperature Slip Resistance

◆ Technical Parameters

Performance Index	Unit	Performance Parameters	Performance Index	Unit	Performance Parameters
Structure		Star-Shaped	Tensile Strength	Mpa	≥ 4.5
Block Ratio (S/B)		32/68	Elongation	%	650
Oil Content	%	31	Permanent Deformation	%	-
Volatility	%	≤ 0.5	Hardness Shore	A	≥ 45
Ash Content	%	≤ 0.2	Melt Flow Rate	g/10min	4 ~ 10
Stress At 300%	Mpa	≥ 1.5	Viscosity Of 25 Wt% Toluene Solution	mPa · s	-

Product Purpose And Features

Oil-based Glue

XJ-6387 Polymer

◆ Scope Of Application

Mainly used in plastic toughening, shoe sole processing, compound modification, and asphalt modification.



◆ Product Features

- 1** No Need For Sulfur Addition
- 2** It Has The Characteristics Of Vulcanized Rubber
- 3** Has Superior Physical and Mechanical Properties

◆ Technical Parameters

Performance Index	Unit	Performance Parameters	Performance Index	Unit	Performance Parameters
Structure		Star-Shaped	Tensile Strength	Mpa	≥ 15
Block Ratio (S/B)		55/45	Elongation	%	600
Oil Content	%	28.5	Permanent Deformation	%	-
Volatility	%	≤ 0.50	Hardness Shore	A	≥ 85
Ash Content	%	≤ 0.20	Melt Flow Rate	g/10min	8~16
Stress At 300%	Mpa	≥ 4	Viscosity Of 25 Wt% Toluene Solution	mPa · s	-

Product Purpose And Features

Road Modification

XJ-3031 Polymer

◆ Scope Of Application

Mainly used in road asphalt modification, waterproof asphalt modification, adhesives, sealants and footwear materials.



◆ Product Features

- 1 Recyclable Reprocessing
- 2 No Need For Sulfuraddition, With Vulcanized Rubber Characteristics
- 3 Excluding Processing Oil
- 4 Insoluble In Water

◆ Technical Parameters

Performance Index	Unit	Performance Parameters	Performance Index	Unit	Performance Parameters
Structure		Linear	Tensile Strength	Mpa	≥ 16.0
Block Ratio (S/B)		30/70	Elongation	%	≥ 700
Oil Content	%	0	Permanent Deformation	%	≤ 40
Volatility	%	≤ 0.70	Hardness Shore	A	≥ 70
Ash Content	%	≤ 0.20	Melt Flow Rate	g/10min	0.03~0.5
Stress At300%	Mpa	≥ 2.0	Viscosity Of 15 Wt% Toluene Solution	mPa · s	550

Product Purpose And Features

Hydrogenation

XJ-1051 Polymer

◆ Scope Of Application

Mainly used in coating materials, wires & cables, toys, plastic modification and footwear materials.

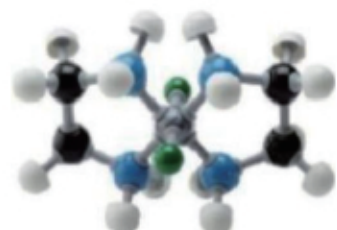


◆ Product Features

- 1 Good Weather Resistance
- 2 Good Heat Resistance
- 3 Excellent Oil Locking Performance
- 4 Safe And Environmentally Friendly, Recyclable & Reprocessed

◆ Technical Parameters

Performance Index	Unit	Performance Parameters	Performance Index	Unit	Performance Parameters
Structure		Linear	Tensile Strength	Mpa	≥ 20
Block Ratio (S/B)		33/67	Elongation	%	≥ 450
Oil Content	%	0	Permanent Deformation	%	
Volatility	%	≤ 0.50	Hardness Shore	A	≥ 70
Ash Content	%	≤ 0.2	Melt Flow Rate	g/10min	-
Stress At300%	Mpa	≥ 3.5	Viscosity Of 25 Wt% Toluene Solution	mPa · s	1000~3000



GRADE LIST OF SIS ELASTOMER (SUN ION ELASTOMER)

Items	Test Methods	XJ-9015	XJ-9116	XJ-9029	XJ-9214	XJ-9516
Appearance	Visual Inspection	Puffy Pellets	Puffy Pellets	Puffy Pellets	Puffy Pellets	Puffy Pellets
Styrene Content	—	15%	16%	29%	14%	16%
Di-Block Content	—	<1%	16%	<1%	24%	50%
Volatile Content	GB/T 24131-2018	≤ 0.7wt%	≤ 0.7wt%	≤ 0.7wt%	≤ 0.7wt%	≤ 0.7wt%
Hardness	GB/T 531-2008	≥35	≥35	≥55	≥30	≥26
Meltflow Rate (200℃, 5KG)	GB/T 3682.1-2018	[1] 8~16 g/10min	[1] 8~16 g/10min	[1] 8~16 g/10min	[1] 8~16 g/10min	[1] 8~16 g/10min
Toluene Solution Viscosity (25℃, 25wt%)	GB/T 2794-2013	1000 ~ 1500 mPa · S	700 ~ 1100 mPa · S	200 ~ 400 mPa · S	1000 ~ 1400 mPa · S	700 ~ 1100 mPa · S
Notes	Note 1: Melt Flow Rate marked with [1]:200℃ 5.0kg					

SIS elastomer

SIS (Styrene-Isoprene-Styrene Block Copolymer), an important category of thermoplastic elastomers, combines the high elasticity of rubber with the thermoplastic processing properties of plastics.

It can be molded through conventional plastic processes such as extrusion and injection molding without vulcanization, featuring high processing efficiency and recyclable scrap materials. It boasts excellent tackiness, elasticity and compatibility, with good miscibility with tackifying resins, softeners and other additives for flexible adjustment of product performance. Meanwhile, it has superior weather resistance, low-temperature resistance and light weight, maintaining stable mechanical properties over a wide temperature range to meet multi-scenario application requirements.

The core application fields of SIS focus on the adhesive and sealant industry, serving as a key base material for hot melt pressure-sensitive adhesives (e.g., express logistics label adhesives, hygiene product adhesives, tape adhesives). With outstanding initial tack and holding power, it is suitable for various bonding scenarios. In addition, it is widely used in modified asphalt (improving the high and low temperature performance of road asphalt), rubber product modification (enhancing the flexibility and impact resistance of plastics and rubber), as well as packaging materials, medical consumables, and insulation layers of wires & cables, demonstrating significant application potential in the trend of lightweight and eco-friendly material upgrading.

● Application in Pressure-Sensitive Tape

XJ-9015: For general pressure-sensitive tapes, it presents excellent initial tack and long holding time.

XJ-9116: For pressure-sensitive tapes and label paper, it presents good initial tack and high peel strength.

● Application in Hygiene Product Adhesives

XJ-9029: For hot melt pressure-sensitive adhesives in hygiene products, it presents good cohesion, high holding power, low melt viscosity and excellent temperature resistance.

● Application in Label Paper Adhesives

XJ-9214: For pressure-sensitive adhesives in label paper, it presents good initial tack and excellent slitting performance.

XJ-9516: For pressure-sensitive adhesives in label paper, it presents superior initial tack and slitting performance, meeting automatic die-cutting requirements.