



Specialized in Butyl Rubber
Products R&D and Manufacturing

Expertise begins with focus

Xiamen Aiya Tape Co., Ltd.

Provincial High-Tech Enterprise

Uphold Innovation
Maintain Integrity

| CATALOGUE

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About Aiyatape

Provincial High-Tech Enterprise
 Provincial Specialized & Innovative SME
 "One Enterprise, One Technology" R&D Center
 Certified to ISO 9001 & IATF 16949 Standards
 Holder of Dun & Bradstreet & TISAX Certifications



3[↑]

Production Base



30^项

Certificate of Honor



20^年

Production Experience

Site Area: 80,000m²

Upgrading with cutting-edge automation to deliver 40K-ton annual production capacity.

Career Qualification



3000⁺

Global Partners



99%

Customer Satisfaction

Xiamen Aiyatape Co., Ltd. is a high-tech enterprise specializing in the R&D, production, and sales of butyl rubber products. Our subsidiaries include Gelu New Materials Technology Co., Ltd. (Shandong) and Gelu New Material Technology Co., Ltd. (Shanghai).

With over 20 years of expertise in the butyl rubber industry, we operate three production bases across China and overseas, supported by multiple proprietary intellectual property rights.

Our products serve:

- New Energy Vehicle (NEV) manufacturers
- Automotive modification industry
- Construction waterproofing sector
- Solar photovoltaic industry

Guided by our philosophy — "Rooted in Shandong, Leveraging Domestic Strengths, Serving Global Markets" — we have established an efficient worldwide distribution network. We are committed to delivering premium products and responsive services, maximizing value for global clients.

Quality Certificate



R&D Capabilities

Qingdao University of Science & Technology:
Industry-Academia-Research Collaboration Base



Production Equipment



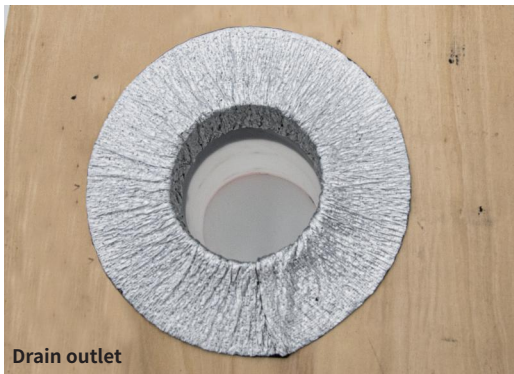
Flexible butyl sealing tape



Internal corner/External corner



Pipe base



Drain outlet



Window sill

Flexible butyl sealing tape

■ Product Introduction

The surface material is processed through a special technique to create pre-shrunk wrinkles, giving it extremely high elongation without later rebound. This allows the material to perfectly adapt to irregular waterproof joints, ensuring a tight fit during use.

The adhesive uses specially designed non-rebound butyl rubber, which stretches with the surface material and, once adhered to the waterproof area, has no excess rebound tension. This forms a permanently stable waterproof layer, preventing bulging and water seepage.

■ Product Features

Excellent flexibility: adapts to various curved or irregular components.

Easy installation: one-step application, no need for training, ready to use immediately.

Excellent waterproof performance: tightly adheres to the waterproof substrate, no bulging or water seepage, long-term effective waterproof sealing.

Superior durability: butyl rubber with excellent weather resistance, no cracking, superior product durability, aesthetically pleasing and non-polluting.

High and low temperature resistance: Maintains flexibility and does not become brittle or crack at low temperatures of -40°C; does not flow or melt at high temperatures of 120°C.

National debut: unique patented technology and craftsmanship.

■ Product Usage

1. Waterproof sealing of gaps at the junctions between indoor pipes and walls or floors.
2. Sealing of building penetration areas such as air conditioning ducts, fresh air system vents, cables, and other irregular parts requiring prevention of air leakage and water seepage.
3. Waterproof sealing of outdoor window sills, skylights and sloped roof gaps, parapet bases, and other waterproof junctions where regular tapes cannot tightly adhere.

■ Product Parameters

Main materials	Surface material, butyl rubber, release paper
Colloid Color	Black (regular)
Width	8cm, 10cm, 15cm (regular)
Length	5m,10m (regular)
Thickness	1.5mm (regular)
Surface color	White, silver (regular)
Surface material	Polyester non-woven fabric, Polyester aluminum foil, HDPE non-woven fabric
Service temperature	(-40~100)°C
Implementation standard	JC/T 942-2022, T/CECS 10201-2022

Single-sided aluminum foil waterproof sealing tape/master rolls



Container bucket repair



Glazed tile waterproof



Wall waterproof



No pressure sewer pipe



Outdoor balcony construction



Large area of color steel tile

Single-sided aluminum foil waterproof sealing tape/master rolls

■ Product Introduction

Single-sided aluminum foil butyl waterproof tape is composed of butyl rubber and high-quality aluminum foil. The adhesive is primarily made from butyl rubber and polyisobutylene, refined with special formulations and new co-extrusion cross-linking technology. The high-quality composite aluminum foil serves as the surface material, providing the tape with excellent structural strength and waterproof performance. Additionally, the single-sided aluminum foil butyl waterproof tape is easy to apply and widely used.

■ Product Features

Excellent mechanical properties: High bonding strength and tensile strength, good elasticity, and elongation performance. It adapts well to dynamic changes in interface and crack gaps, showing excellent conformity to deformations of adhered objects.

Stable chemical performance: Excellent chemical resistance, weather resistance, and corrosion resistance.

Reliable application performance: Outstanding bonding, waterproofing, sealing, and high and low temperature resistance.

Compliance with national environmental standards: Environmentally friendly material, non-toxic and odorless.

Easy installation: One-step application, no need for training, easy to use.

High and low temperature resistance: Maintains flexibility and does not become brittle or crack at low temperatures of -40°C; does not flow or melt at high temperatures of 120°C.

■ Product Usage

1. Repair of steel structure factory roofs, sunroom seam repairs, and waterproofing of roof/tile surfaces.
2. Sealing gaps in window sills, sealing joints in drainage pipes, and sealing leaks in containers such as water buckets.
3. Air tightness, waterproofing, and shock absorption treatment for joints in colored pressed steel plates and sun panels.
4. Waterproofing, sun protection, cooling, and noise reduction construction for roofs exposed to sunlight, including various civil engineering roofs such as colored steel, steel structures, waterproof membranes, and PC panels.
5. Sealing and waterproofing of construction joints in subway tunnel structures in municipal engineering projects.

■ Product Parameters

Main materials	Composite aluminum foil, butyl rubber, release film
Colloid Color	Black, grey, white, yellow (regular)
Width	5cm, 10cm, 15cm, 100cm (regular)
Length	5m, 10m (regular)
Thickness	(0.8~1.5)mm
Surface color	Silver (regular)
Surface material	Small diamond squares, fiberglass cloth, small squares, large squares
Service temperature	(-40~100) °C
Implementation standard	JC/T 942-2022, T/CECS 10201-2022

ASA coated waterproof sealing tape/master rolls



Executive standards



序号	检测项目	指标	检测结果	判定
1	拉伸强度 (N/mm ²)	≥20	24.0	合格
2	断裂伸长率 (%)	≥200	240	合格
3	低温弯折性 (°C)	无裂纹	无裂纹	合格
4	不透水性	0.3MPa, 30min	不透水	合格
5	尺寸稳定性 (%)	≤1.0	0.8	合格
6	老化后性能	老化后性能	符合标准	合格



Roof crack Window sill gap Glass room joints Top of carriage



Dish washing sink Gap between wall and ground Color steel and wall joints Color steel tile gap

Aging resistance test report



序号	检测项目	试验条件	检测结果
1	人工气候老化 (A-B)	2000h, 200h	符合标准
2	人工气候老化 (A-C)	1000h, 200h	符合标准
3	人工气候老化 (A-D)	500h, 200h	符合标准



Container bucket repair Glazed tile waterproof Wall waterproof No pressure sewer pipe



Outdoor balcony construction Large area of color steel tile

ASA coated waterproof sealing tape/master rolls

■ Product Introduction

ASA coating waterproof sealing butyl tape/roll is a high-performance waterproof product independently developed and manufactured by our company. The product is composed of high-quality butyl rubber and our proprietary ASA coated aluminum foil, featuring excellent properties such as abrasion resistance, corrosion resistance, and UV resistance, significantly extending the product lifespan. Verified by authoritative testing institutions, the tape showed no changes after 3000 hours of accelerated aging simulation, equivalent to over ten years of outdoor use.

■ Product Features

Excellent Aging Resistance: Verified through extensive testing, ensuring long-term stability in outdoor environments.

Strong Adhesion: Butyl rubber offers outstanding adhesion, suitable for various material surfaces.

High-Quality Aluminum Foil: Provides additional waterproofing, moisture resistance, and thermal insulation, enhancing durability.

Superior Flexibility: Maintains excellent flexibility and tightness even in low-temperature environments.

Easy Installation: Designed with self-adhesive backing for quick application without the need for additional tools or heating.

High and low temperature resistance: Maintains flexibility and does not become brittle or crack at low temperatures of -40°C; does not flow or melt at high temperatures of 120°C.

■ Product Usage

1. Repair of steel structure factory roofs, sunroom seam repairs, and waterproofing of roof/tile surfaces.
2. Sealing gaps in window sills, sealing joints in drainage pipes, and sealing leaks in containers such as water buckets.
3. Air tightness, waterproofing, and shock absorption treatment for joints in colored pressed steel plates and sun panels.
4. Waterproofing, sun protection, cooling, and noise reduction construction for roofs exposed to sunlight, including various civil engineering roofs such as colored steel, steel structures, waterproof membranes, and PC panels.
5. Sealing and waterproofing of construction joints in subway tunnel structures in municipal engineering projects.

■ Product Parameters

Main materials	ASA coating composite aluminum foil, butyl rubber, release film
Colloid Color	Black, grey, white, yellow (regular)
Width	5cm, 10cm, 15cm, 100cm (regular)
Length	5m, 10m (regular)
Thickness	(0.8~1.5)mm
Surface color	Silver (regular)
Surface material	Gloss
Service temperature	(-40~120) °C
Implementation standard	JC/T 942-2022, T/CECS 10201-2022 GB/T 16422.2-2022

PVDF waterproof sealing tape/master rolls



PVDF waterproof sealing tape/master rolls

■ Product Introduction

PVDF waterproof sealing tape/master rolls. The surface layer is made of the latest standard PVDF material, with ample material usage ensuring superior strength and aging resistance. The adhesive is produced using the company's innovative polymerization process, offering high bonding strength, resistance to extreme temperatures, and eco-friendly, odorless properties.

■ Product Features

1. Excellent aging resistance, maintaining waterproof performance for over 20 years when exposed to outdoor conditions;
2. Easy installation—simply peel off the isolation film, adhere the self-adhesive layer to the substrate, and press evenly;
3. High viscosity—once applied, the membrane resists peeling and offers outstanding wind and seismic resistance;
4. High strength—withstands worker foot traffic during construction without damage;
5. Noise reduction—effectively minimizes precipitation noise on metal roofs;
6. Thermal insulation—reduces roof temperature by 10-20°C in summer, while in winter, it slows heat loss through the roof, enhancing building insulation.

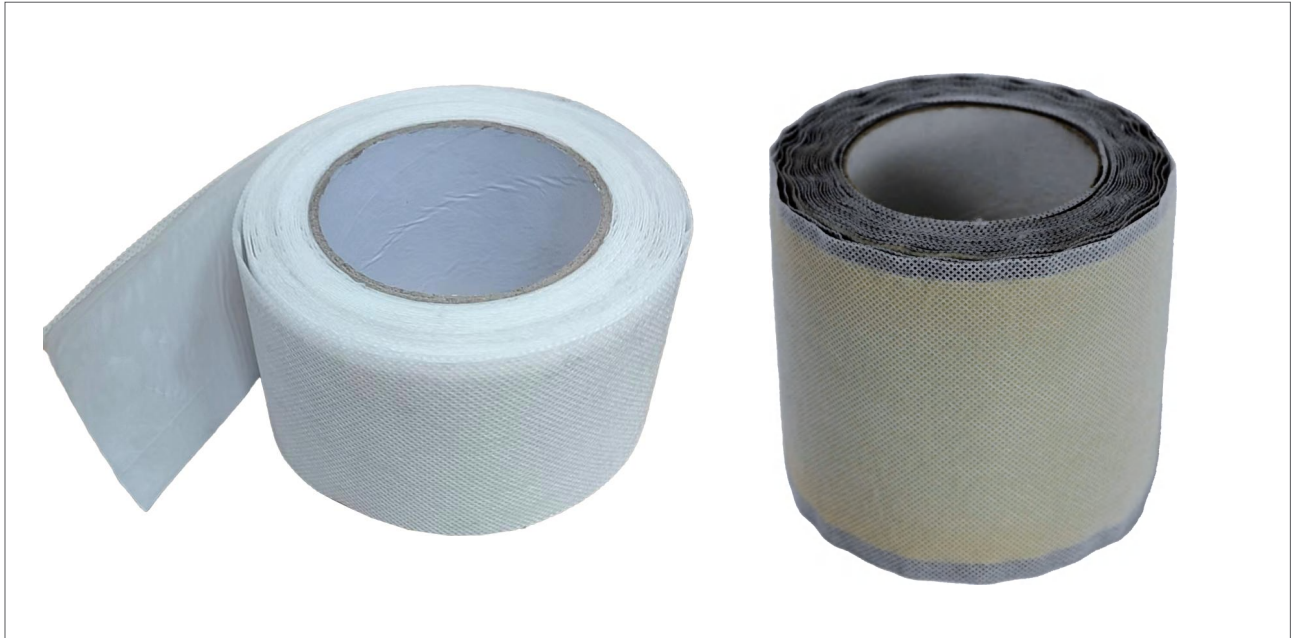
■ Product Usage

It is widely used in waterproofing construction for standard factory buildings, roof repairs of old industrial plants, top-layer waterproofing of large-scale venues, high-speed railway stations, residential building rooftops, window sills, wall waterproofing, and more.

■ Product Parameters

Main materials	PVDF, butyl rubber, release film
Colloid Color	Black, grey, white, yellow (regular)
Thickness	(0.7~2)mm
Width	5cm~1m
Length	(5~20)m
Surface color	White (regular), blue, red, gray (customizable)
Service Life	>20 years
Service temperature	(-40~120) °C
Implementation standard	JC/T 942-2022, T/CECS 10201-2022 GB/T 16422.2-2022

Single-sided non-woven waterproof sealing tape/master rolls



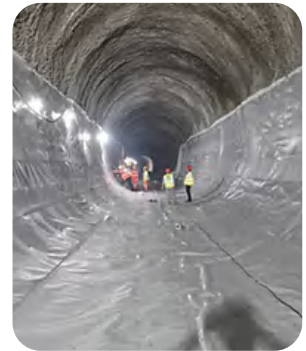
Roof waterproof



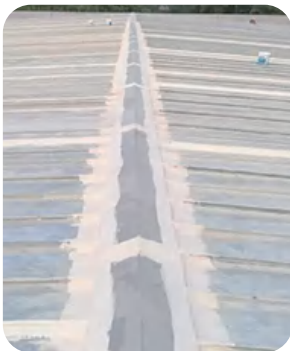
Artificial lawn overlap



Structure construction waterproof



Tunnel inner sealing waterproof



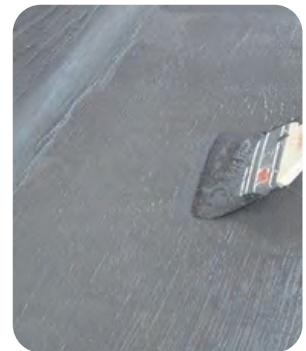
Prefabricated roof waterproofing



Waterproof inner layer of window frame and door frame



Waterproof of building expansion joint



Ground inner layer waterproof

Single-sided non-woven waterproof sealing tape/master rolls

■ Product Introduction

Non-woven fabric tape utilizes high-quality composite butyl rubber as its base, covered with a non-woven fabric surface material. This product finds extensive application in the construction of multi-layer waterproofing for engineering rooftops and underground areas.

The non-woven fabric tape not only ensures high bonding strength, good elasticity, and elongation properties of the butyl rubber but also exhibits strong adaptability to interface deformation and cracking. It possesses excellent chemical resistance, weather resistance, corrosion resistance, as well as outstanding sealing and waterproofing performance.

■ Product Features

Excellent weather resistance: The adhesive, made from high-quality butyl rubber, remains non-curing permanently, adapting to structural movement and deformation. It effectively handles thermal expansion and contraction caused by seasonal changes in building materials.

Superior waterproofing: Long-term effective waterproof sealing without water seepage, exhibiting outstanding waterproof performance.

Multi-layer waterproofing: The adhesive surface has excellent adhesion compatibility with plastics, cement mortars, concrete, metal products, stones, etc. Its non-woven fabric surface ensures good plasterability with cement mortar and strong bonding between various waterproof layers.

High and low temperature resistance: Maintains flexibility and does not become brittle or crack at low temperatures of -40°C; does not flow or melt at high temperatures of 120°C.

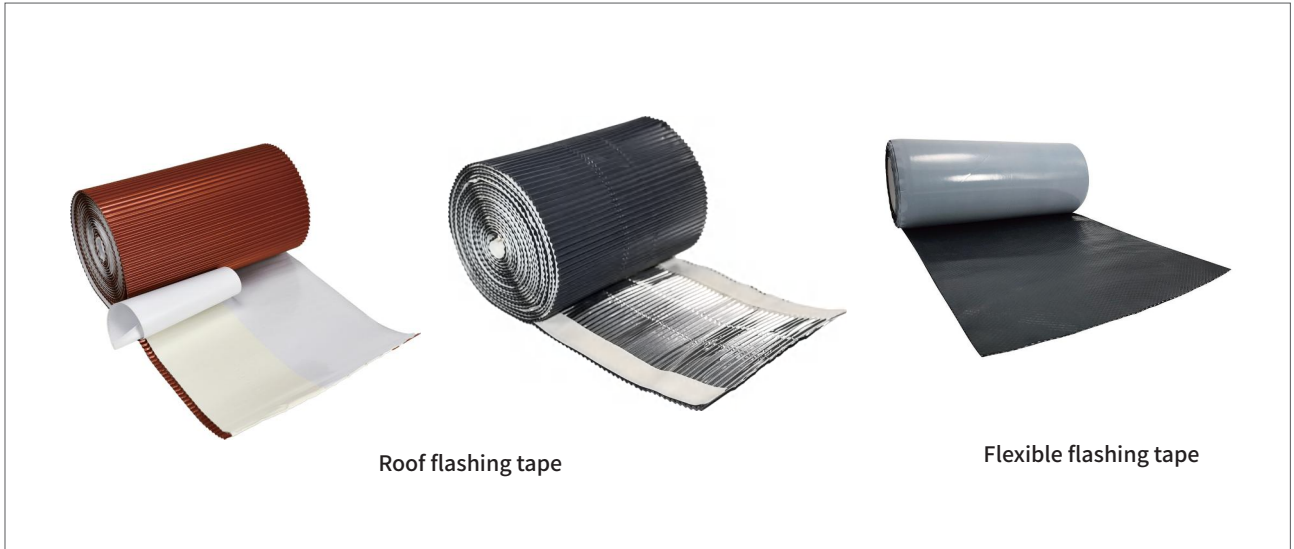
■ Product Usage

1. Waterproof sealing for indoor bathroom and kitchen floors and walls, windows, building facades, prefabricated roof waterproofing, and can also be used as lawn overlap tape.
2. Waterproofing for roofs, underground areas, and structural construction joints in new construction projects.
3. Sealing and waterproofing of construction joints in subway tunnel structures in municipal engineering.
4. Excellent compatibility with various materials, used for connecting multiple layers of waterproofing.

■ Product Parameters

Main materials	Non-woven fabric, butyl rubber, release film
Colloid Color	Black, grey, white, yellow (regular)
Thickness	(0.7~2)mm
Width	5cm~1m
Length	10m (regular)
Surface color	White (regular)
Surface material	Non-woven fabric
Service temperature	(-40~100)°C
Implementation standard	JC/T 942-2022, T/CECS 10201-2022

Roof flashing tape



Roof flashing tape

■ Product Introduction

Flashing is a thin, impermeable material installed to prevent water from infiltrating buildings at joints or as part of a weather-resistant barrier system.

In modern construction, flashing primarily aims to reduce water ingress around openings such as chimneys, ventilation ducts, walls, windows, and doors, thereby enhancing the durability of buildings and reducing indoor mold issues.

Flexible flashing materials are easy to cut and shape manually, and they feature self-adhesive properties that eliminate the need for welding, simplifying installation compared to metal flashing. They offer strong adhesion, effectively protecting against rain, snow, and dust.

The design of flexible flashing materials is evolving, with reinforcing mesh extending to the edges to facilitate easier shaping. These materials typically consist of a flexible polyisobutylene layer with embedded reinforcing mesh, allowing for manual folding and securing into place.

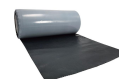
■ Product Features



The 2815 Camel Flashing Tape is a comprehensive adhesive flashing tape suitable for various roofing applications, roof surfaces, and parapet walls. It can be bent in the middle, offering strong waterproofing capabilities and flexible installation.



The 2820 Camel Double-Sided Roof Ridge Flashing Tape is designed for roof waterproofing and can be folded into the shape of a roof ridge. It combines strong waterproofing performance with a neat and aesthetic appearance.



Flexible flashing with aluminum mesh lining, incorporating internal adhesive and aluminum mesh, facilitates easy shaping. Manual bending achieves an ideal waterproof structure, suitable for a wide range of applications with excellent waterproofing properties.

■ Product Usage

This product is suitable for various sealing and waterproofing applications across multiple fields, including roof joint waterproofing, door and window waterproofing, and solar panel waterproofing. It is particularly effective for roof waterproofing systems, such as chimney openings, skylights, fan bases, and solar panel bases, providing reliable waterproof protection at waterproofing sites or roof joints.

■ Product Parameters

Name	Roof flashing tape (2815, 2820)
Material	Aluminum foil, butyl rubber, release paper
Width	28cm (regular)
Length	5m, 10m (regular)
Thickness	1.5mm, 2mm (regular)
Surface color	Brick red, black, dark grey (regular)
Surface material	Color coated aluminum foil
Service temperature	(-40~120) °C
Implementation standard	JC/T 942-2022, T/CECS 10201-2022

Name	Flexible flashing tape
Material	Aluminum mesh, butyl rubber, release paper
Width	28cm (regular)
Length	5m (regular)
Thickness	3mm (regular)
Surface color	Brick red, black, grey (regular)
Service temperature	(-40~120) °C
Implementation standard	JC/T 942-2022, T/CECS 10201-2022

Cross film tape (joist anti-corrosion tape)



Cross film tape (joist anti-corrosion tape)

■ Product Introduction

The cross membrane tape consists of strong cross membrane and high-adhesion butyl self-adhesive glue, designed specifically for waterproofing and anti-corrosion in wood structures. During construction, it forms a strong waterproof layer at critical points, effectively preventing water ingress and rot in wooden components, significantly extending their lifespan.

The high-adhesion butyl self-adhesive glue offers advantages such as high viscosity, good performance in both high and low temperatures, and resistance to curing and cracking. It is environmentally friendly and non-toxic, making it a highly cost-effective functional product.

■ Product Features

High Strength: The strong cross membrane self-adhesive waterproof tape features high strength, effectively resisting pressure and tension to ensure waterproofing effectiveness.

Waterproof and Moisture-Proof: Manufactured with advanced materials and processes, the strong cross membrane self-adhesive waterproof tape exhibits excellent waterproof and moisture-proof properties, effectively preventing water infiltration.

Corrosion Resistance: Utilizing high-quality materials, the strong cross membrane self-adhesive waterproof material demonstrates excellent corrosion resistance, enabling long-term use in acidic or alkaline environments and reducing maintenance and replacement costs.

Ease of Use: Coated with premium butyl waterproof sealing adhesive, the strong cross membrane self-adhesive waterproof tape is easy and quick to apply, requiring no specialized personnel and reducing construction costs and difficulty.

Shock Absorption: Absorbs and disperses energy when subjected to external impact, thereby providing shock absorption and cushioning to reduce footstep noise.

■ Product Usage

1. Wooden structure houses, beams, floors, joists, ship decks, and joist supports.
2. Waterproofing, moisture-proofing, and mold treatment for ceilings, walls, and floors.
3. Waterproofing treatments for roofs, rooftops, and roof equipment.
4. Waterproofing treatments for roads, bridges, and subway projects.
5. Waterproofing projects for buildings such as basements, pools, and underground garages.

■ Product Parameters

Main materials	Strong cross film, butyl rubber, release film
Colloid Color	Light grey, dark grey (regular)
Thickness	(0.7~1) mm
Width	4cm~1m
Length	15m (regular)
Surface color	Black (regular)
Surface material	Strong cross membrane
Service temperature	(-40~100) °C
Implementation standard	JC/T 942-2022, T/CECS 10201-2022

Double-sided lap waterproof sealing tape (geomembrane tape)



Color steel plate lap



Geomembrane bonding



Drain plate paste



Coil lap seal



Fish pond impermeable membrane bonding



Composite film paste



Sunshine room



Communication feeder



Waterproof board paste

Double-sided lap waterproof sealing tape (geomembrane tape)

■ Product Introduction

Double-sided butyl sealing waterproof tape, also known as double-sided overlap tape, is primarily made from butyl rubber with a fabric core and manufactured using a special coating process. This product is widely used for overlapping seams of waterproof membranes, internal sealing of insulating glass units, construction joint sealing, and waterproof bonding of electronic and electrical components.

The double-sided butyl sealing waterproof tape exhibits excellent weather resistance, aging resistance, and waterproof performance. It seals, dampens vibrations, and protects the surface of adhered objects effectively. The product is completely solvent-free, hence it does not shrink or emit toxic gases. Due to its non-curing nature throughout its lifetime, it can adapt well to thermal expansion, contraction, and mechanical deformations of the adhered surface, making it an advanced waterproof sealing material.

■ Product Features

Reinforced adhesive: With a fabric core, it exhibits high bonding strength and tensile strength, as well as good elasticity and elongation properties.

Good flexibility: It adapts well to interface changes and cracking, showing strong conformity to the deformation of objects.

Excellent weather resistance: It has outstanding chemical resistance, weather resistance, and corrosion resistance, remaining crack-free over long-term use. It is aesthetically pleasing and non-polluting.

High and low temperature resistance: Maintains flexibility and does not become brittle or crack at low temperatures of -40°C; does not flow or melt at high temperatures of 120°C.

Environmentally friendly: Non-toxic and odorless, free from asphalt, and compliant with national environmental standards.

Easy installation: One-step application, no training required, easy to use directly.

■ Product Usage

1. Overlap sealing of high molecular waterproof membranes.
2. Sealing and waterproofing of construction joints in subway tunnel structures for municipal engineering.
3. Air tightness, waterproofing, and shock absorption treatment at joints of colored pressed steel panels and polycarbonate projects.
4. Bonding and sealing treatment for steel structure construction.
5. Overlap of geotextile, fish pond liners, and breathable waterproof membranes.
6. Internal sealing of insulating glass units.

■ Product Parameters

Main materials	Grid cloth, butyl rubber, kraft paper
Colloid Color	Black (regular)
Thickness	0.8mm,1mm,1.2mm,1.5mm (regular)
Width	2cm~1m
Length	5m,10m,15m(regular)
Service temperature	(-40~100) °C
Implementation standard	JC/T 942-2022, T/CECS 10201-2022

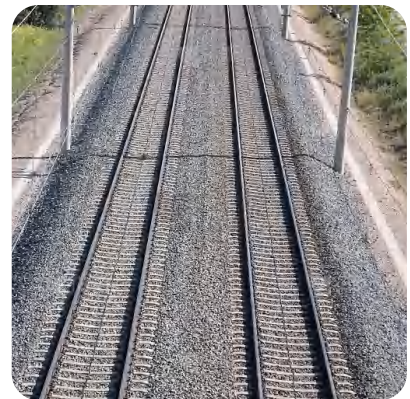
Double-sided sealing strip (extrusion strip)



Condensing tower seal



House waterproof seal



Subway tunnel sealing



Steel structure seal



Car seal



Power seal waterproof

Double-sided sealing strip (extrusion strip)

■ Product Introduction

The double-sided butyl sealing tape is primarily made from butyl rubber as the base material, with additional additives processed using advanced techniques. This product is a self-adhesive waterproof sealing tape that does not cure over time, exhibiting strong adhesive properties suitable for various surface materials. It also boasts excellent weather resistance, aging resistance, and waterproof performance, providing multiple functions such as sealing, damping, and protection on the adhered surface.

The double-sided butyl sealing tape is solvent-free, does not shrink, and does not emit toxic gases. Due to its non-curing nature, it can effectively accommodate thermal expansion, contraction, and mechanical deformation of the adhered surface, making it an advanced waterproof sealing material.

■ Product Features

High Performance: High bonding strength, good elasticity, and excellent elongation capability. It adapts well to interface changes and cracking, showing outstanding ability to follow the deformation of objects.

Excellent Weather Resistance: Superior chemical resistance, weather resistance, and corrosion resistance.

Outstanding Waterproofing: Excellent waterproofing and sealing properties, ensuring long-term use without cracking or water leakage.

Environmentally Friendly: The material is environmentally friendly, non-toxic, odorless, and free from asphalt.

Easy Installation: Simple construction process, no need for specialized personnel for installation.

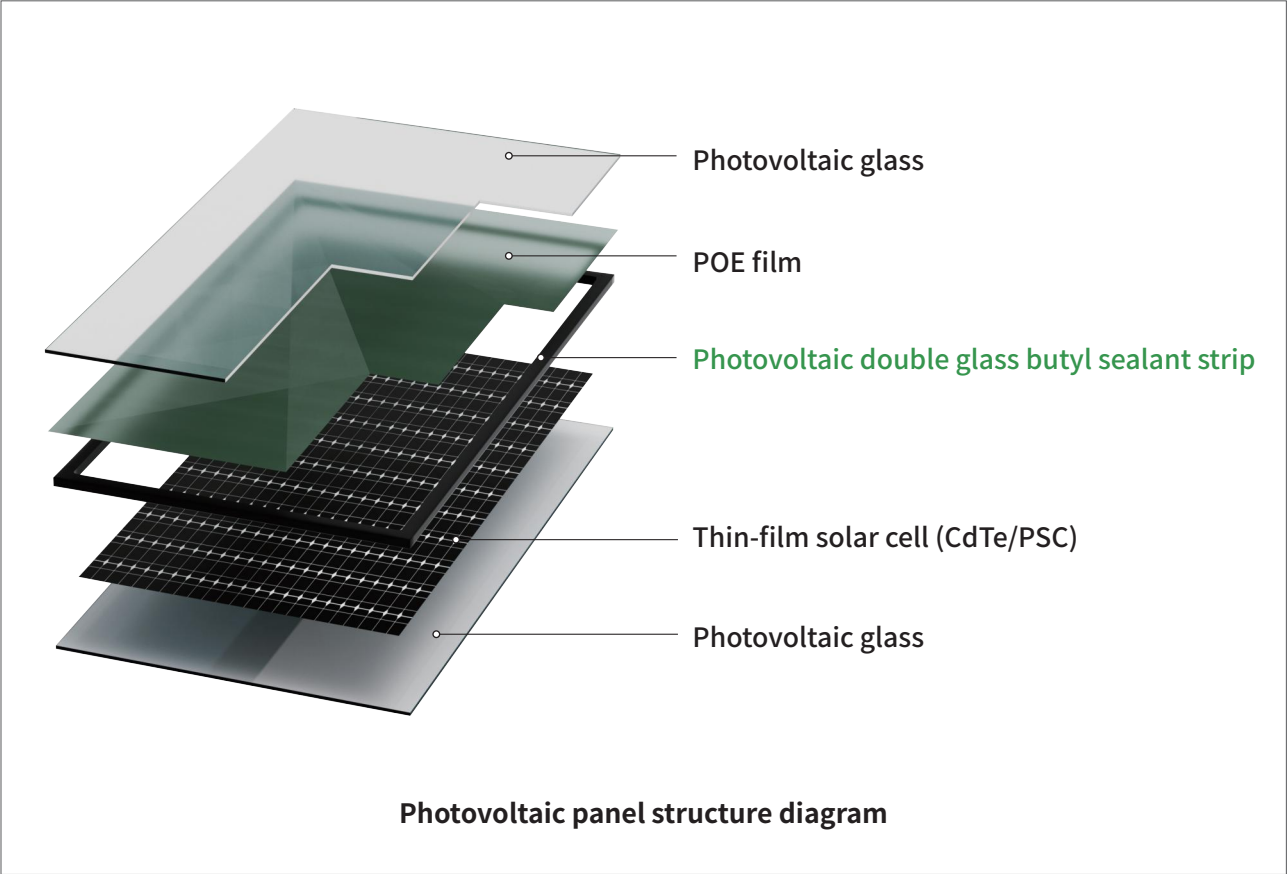
■ Product Usage

1. New construction project waterproofing for houses, underground areas, and structural construction joints, as well as sealing joints for high polymer waterproof membranes.
2. Sealing and waterproofing of construction joints in subway tunnel structures for municipal projects.
3. Airtight, waterproof, and shock-absorbing treatments for joints in colored profiled panels and sunlight board projects.
4. Bonding and sealing treatments for steel structure construction.
5. Bonding and sealing treatments in automobile assembly.

■ Product Parameters

Main materials	Butyl rubber, release paper
Colloid Color	Black, white, grey (regular)
Thickness	(1.5~40) mm
Width	(5~100) mm
Length	(5~20) m
Service temperature	(-40~100) °C
Implementation standard	JC/T 942-2022, T/CECS 10201-2022

Photovoltaic double glass butyl sealant strip



Photovoltaic double glass butyl sealant strip

■ Product Introduction

In recent years, the development of new photovoltaic cells such as HJT and perovskite has become a significant topic in the industry, boasting much higher electricity generation efficiency compared to conventional photovoltaic cells on the market. However, these new cells are sensitive to moisture, making the waterproof performance of component encapsulation particularly crucial. Butyl rubber products, known for their high water resistance, have become essential materials for the encapsulation of these new cell components.

Against this backdrop, our company has successfully developed the PV double-glass butyl sealing tape through collaboration with colleagues in the waterproofing industry and experts in the photovoltaic sector. This product is primarily used in photovoltaic production lines for the encapsulation of HJT, perovskite, and other new types of photovoltaic cells.

This innovative product not only enhances the encapsulation quality of photovoltaic cell components but also provides reliable technical support for the advancement of the photovoltaic industry.

■ Product Features

Sealing Performance: Specifically developed for photovoltaic and electronic precision instruments, the adhesive provides effective waterproof sealing, effectively isolating water vapor.

Excellent Weather Resistance: Designed for photovoltaic instruments often exposed to direct sunlight, the adhesive includes antioxidants and light stabilizers, significantly enhancing its weather resistance compared to other adhesives.

High Performance: Strong adhesive properties with moderate flexibility, capable of accommodating certain structural deformations to ensure sealing effectiveness.

Environmentally Friendly: Safe and environmentally friendly, odorless, and non-toxic, free from asphalt.

High and low temperature resistance: Maintains flexibility and does not become brittle or crack at low temperatures of -40°C; does not flow or melt at high temperatures of 120°C.

■ Product Usage

Mainly used for sealing in the production lines of new photovoltaic cell modules such as HJT and perovskite.

■ Product Parameters

Main materials	Butyl rubber, release paper
Colloid Color	Black (regular)
Thickness	0.5mm, 0.8mm (regular)
Width	5mm, 8mm, 10mm, 16mm (regular)
Length	20m (regular)
Service temperature	(-40°~120)°C
Implementation standard	JC/T 942-2022, T/CECS 10201-2022

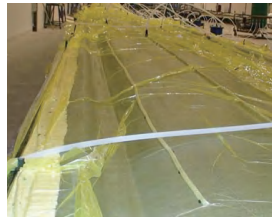
High-Temperature Butyl Sealant Tape (Vacuum Bag Sealant Tape)



Blade Cross-Sectional View



Wind turbine blade



Wind turbine blade manufacturing



Usage scenario



Usage scenario

High-Temperature Butyl Sealant Tape (Vacuum Bag Sealant Tape)

■ Product Introduction

High-temperature butyl sealing tape is made from high-performance butyl rubber and provides strong adhesion to various vacuum bags and composite tooling surfaces. It maintains excellent pressure-holding and sealing performance throughout the resin curing cycle. After curing, it can be easily removed from the bonded surface without leaving any residue. The tape is suitable for use within a temperature range of -40°C to 200°C.

■ Product Features

1. Excellent Airtightness

The adhesive is flexible, with strong initial tack and excellent bonding performance. It offers outstanding elasticity and extensibility, as well as superior sealing, waterproofing, and temperature resistance. With excellent surface conformity, it maintains vacuum integrity with minimal loss even after 30 minutes, ensuring stable molding processes.

2. Eco-Friendly Materials

Made from solvent-free, high-performance eco-friendly materials using a special formulation. It contains no benzene-based solvents, heavy metals (such as lead or mercury), or toxic plasticizers. Volatile content is below 1%, making it safe, green, and environmentally friendly.

3. Easy Application

The adhesive has high initial tack and strong adhesion, making it easy to apply. After high-temperature use, it can be cleanly removed from the mold surface without leaving residue, simplifying cleaning and follow-up operations. With excellent viscoelasticity, it adapts well to deformations of complex surfaces, providing flexible and efficient performance.

4. Wide Temperature Range

Maintains excellent sealing and weather resistance within a wide temperature range of -40°C to 200°C, ensuring reliable performance in both low- and high-temperature environments.

■ Product Usage

1. Sealing between vacuum bag film and mold during wind turbine blade production.
2. Sealing between vacuum bag films during carbon fiber manufacturing.
3. and other high-temperature processing sealing applications.

■ Product Parameters

Main materials	Butyl rubber, release paper
Colloid Color	Yellow(regular)
Thickness	(2~5)mm
Width	(8~50)mm
Length	(5~20)m
Service temperature	(-40~100) °C

Car headlight sealing strip



Car headlight sealing strip

■ Product Introduction

The automotive headlight sealing strip is primarily made of butyl rubber, supplemented with other additives, processed through advanced technology to create a self-adhesive waterproof sealing strip that never cures. It exhibits strong adhesion to various material surfaces and excellent weather resistance, aging resistance, and waterproof properties. It functions to seal, dampen vibrations, and protect the adhered objects effectively.

■ Product Features

Excellent sealing:

Extremely low water vapor permeability.

Strong durability:

It has excellent corrosion resistance and weather resistance.

Wide range of applications:

Prevents leakage, rust, deformation, vibration resistance, weather resistance, and aging resistance.

Environmentally friendly material:

Non-toxic, odorless, pollution-free, and safe to use.

Strong tensile strength:

High tensile strength, stretchable up to 20 times without breaking.

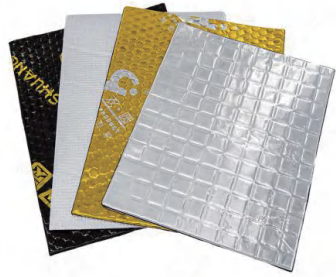
■ Product Usage

The car headlight sealing strip is specifically designed for headlight sealing and can be customized in size to meet specific application needs. It features excellent adhesion, high and low-temperature resistance, weather resistance, water repellency, and chemical corrosion resistance, making it widely used in headlight sealing applications.

■ Product Parameters

Main materials	Butyl rubber, release paper
Colloid Color	Black, grey (regular)
Colloidal Diameter	6mm,7mm,8mm,9mm (regular)
Length	(4~8)m
Service temperature	(-40~120) °C

Car sound damping sheet (standard)



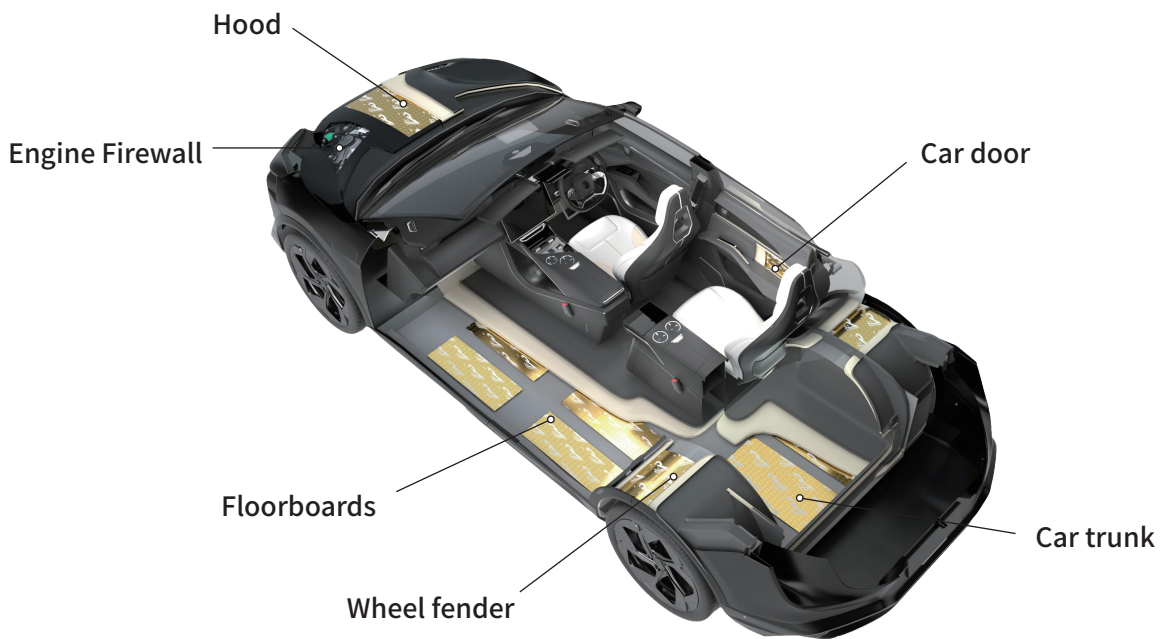
Car sound damping sheet



Car sound damping Roll



New energy vehicle damping sheet



Car sound damping sheet (standard)

■ Product Introduction

The car sound damping sheet is made of high-purity butyl rubber and eco-friendly polymer materials as the base layer, laminated with aluminum foil coated with eco-friendly polyester paint. It features excellent anti-oxidation properties and high stability. This product delivers outstanding performance in vibration damping, soundproofing, heat insulation, rust prevention, and sheet metal reinforcement, significantly enhancing the comfort and durability of vehicles.

In the RoHS environmental certification tests, this product was found to be free of harmful substances such as lead (Pb), cadmium (Cd), hexavalent chromium (Cr VI), mercury (Hg), polybrominated biphenyls (PBBs), and polybrominated diphenyl ethers (PBDEs), complying with environmental standards. The odor test score is below 2.5, and the volatile substance test results exceed the standard requirements, further ensuring the product's safety and reliability.

■ Product Features

Agile development: Quickly customizable gel based on usage requirements.

Eco-friendly materials: Non-toxic, odorless, pollution-free, and safe to use.

Excellent performance: Strong adhesion, good elasticity, and superior soundproofing and damping effects.

Good weather resistance: Gel has excellent weather resistance, does not crack, is corrosion-resistant, and performs well under harsh conditions.

Structural reinforcement: Helps to reinforce the structure to a certain extent after application.

Flexible use: Can be DIY cut to fit various vehicle models.

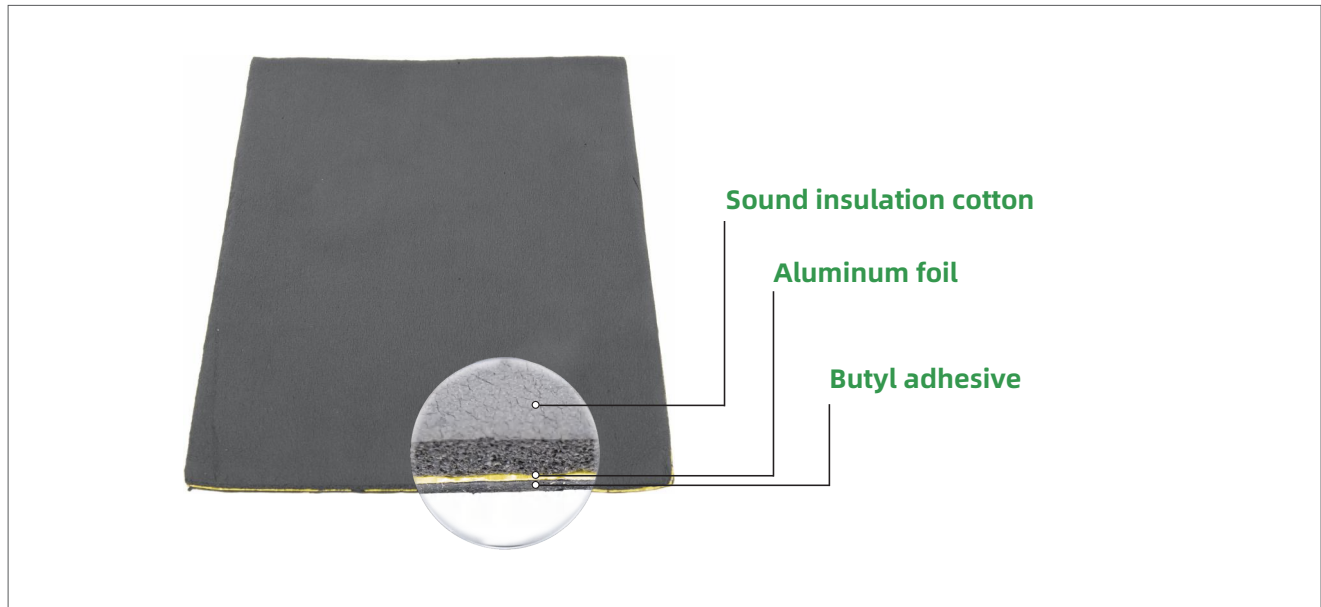
■ Product Usage

Suitable for car doors, hoods, roofs, trunk bottoms, trunk lids, floorboards, engine firewalls, wheel fenders, and other areas.

■ Product Parameters

Main materials	Aluminum foil, butyl rubber, release paper
Colloid Color	Black, white (regular)
Thickness	(1.5~3)mm
Width	40cm, 50cm (regular)
Length	80cm per sheet, 4m per roll, 5m per roll (regular)
Surface color	Black, silver, blue, gold (customizable logo)
Surface material	0.1mm aluminum foil
Three-dimensional pattern	Hexagon, large square, small square, diamond (regular)
Service temperature	(-40~120) °C

Car 3-in-1 sound damping sheet



■ Product Introduction

The car 3-in-1 sound damping sheet is made by combining a standard soundproofing and vibration damping sheet with soundproof cotton, providing enhanced sound insulation. The damping sheet suppresses the resonance of steel panels, reducing the generation of noise, while the soundproof cotton absorbs the noise that has been produced, preventing it from spreading outward. This combination reduces vibrations at the source and absorbs and blocks noise inside the vehicle, significantly improving the car's soundproofing performance and driving comfort.

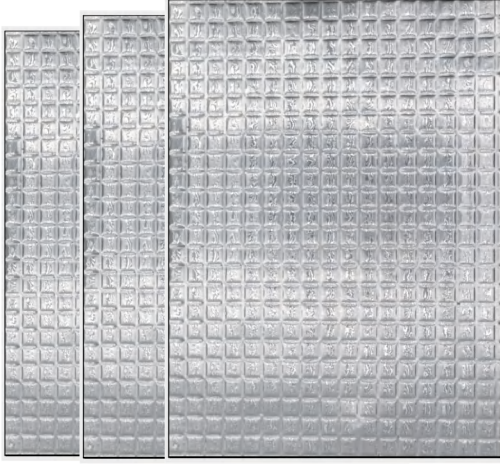
■ Product Features

Compared to standard sound damping sheets, the 3-in-1 sound damping sheet not only effectively reduces panel resonance but also absorbs most of the generated noise through its sound-absorbing foam, delivering superior soundproofing performance. Additionally, its design significantly simplifies the installation process, improving efficiency and reducing costs.

■ Product Usage

Applicable to car audio modifications, soundproofing and vibration damping solutions for areas such as car doors, engine hoods, roofs, the bottom of the trunk, trunk lids, floors, engine firewalls, and wheel fenders. Effectively suppresses the resonance of sheet metal components, blocks tire noise, wind noise, and other external noises, enhancing the overall NVH performance of the vehicle.

Lightweight car damping sheet (automotive grade)



VS. Car sound damping sheet (standard)

Comparison item	Lightweight car damping sheet	Car sound damping sheet (standard)
Butyl adhesive density	0.76g/cm ³	1.65g/cm ³
Average product density	0.96g/cm ³	1.8g/cm ³
Weight	Decrease by 50%	Heavier, increasing vehicle payload

Product Introduction

Lightweight car damping sheets are a new generation of low-density soundproofing and vibration-damping materials developed to meet the weight reduction requirements of new energy vehicles. These mats are based on the damping sheets used in new energy vehicles, offering enhanced performance for modern automotive needs.

Designed to reduce vibration and noise in vehicles, lightweight car damping sheet are made from thinner, more efficient materials, such as advanced polymer composites. Compared to traditional damping mats, they effectively suppress vibrations in car body panels, enhancing driving comfort. At the same time, they contribute to vehicle weight reduction, which plays a significant role in improving fuel efficiency and extending driving range for new energy vehicles. These mats are widely used in automotive manufacturing and modification fields.

Product Features

1. Lightweight Design:

Butyl colloid density 0.76g/cm³, 50% lighter than conventional asphalt-based materials.

2. Eco-Friendly Material:

Free from benzene compounds & heavy metals.

Compliant with GB/T 27630-2024 & RoHS certification.

3. Easy Installation:

Self-adhesive design (peel strength >0.3KN/m, exceeding national standard)

Reaches peak performance 24hrs after installation.

Customizable cutting for perfect fit on doors/engine hoods/complex surfaces.

4. Extreme Environment Resistance:

Pass -40°C freeze and +180°C baking tests, no cracking/deformation.

Special anti-aging formula extends service life.

5. Advanced Damping Performance:

Broad-Temperature Stability: Maintains superior damping (loss factor η exceeding GB/T 41944-2022 standard) across -40°C to 100°C.

Multi-Frequency Coverage: Demonstrates enhanced noise suppression at typical vibration frequencies (315/400/500Hz).

Product Usage

Used for vibration damping, soundproofing, and sound insulation of in-car multimedia systems in new energy vehicles, as well as soundproofing and vibration damping solutions for areas such as car doors, engine hoods, roofs, the bottom of the trunk, trunk lids, floors, engine firewalls, and wheel fenders. Effectively suppresses the resonance of sheet metal components, blocks tire noise, wind noise, and other external noises, enhancing the overall NVH performance of the vehicle.

New energy vehicle damping sheet (automotive grade)



■ Product Introduction

Based on the existing automotive sound damping sheet technology, we have developed a chassis-grade vibration damping product specifically designed for the needs of vehicle manufacturers, suitable for passenger cars, commercial vehicles, and especially the new energy vehicle (NEV) sector.

The vibration damping sheet for new energy vehicles is made from high-elasticity, high-adhesion butyl rubber combined with metal aluminum foil. By utilizing the high damping properties of butyl rubber, it reduces the vibration waves of thin sheet metal during driving or bumpy conditions, achieving effective vibration damping and noise reduction. It also provides excellent suppression of high-frequency vibrations generated by the transmission and other driveline components.

The soundproofing and vibration damping sheets produced by our company have established long-term partnerships with multiple vehicle manufacturers. We customize specifications based on assembly requirements, meet automotive-grade standards, and provide tailored solutions. This product integrates functionality, cost-effectiveness, and environmental friendliness, making it an excellent choice for soundproofing and vibration damping.

■ Product Features

- 1.The new energy damping sheet uses high-purity butyl rubber as the base layer, with high-strength aluminum foil on the surface, providing high stability and resistance to oxidation.
- 2.Featuring a new low-density formulation, the lightweight design helps improve vehicle range while offering excellent soundproofing, vibration damping, thermal insulation, and rust prevention for sheet metal.
- 3.Customizable based on the manufacturer's adaptation requirements, with agile development and timely response, making it easy to adjust for different vehicle models and meet the needs of rapid development in the automotive industry.

■ Product Usage

Used for filling bodywork process holes, specific sheet metal areas, and suppressing high-frequency vibrations generated by the transmission and other driveline components.

Butyl hot melt sealant



■ Product Introduction

Butyl hot-melt sealant is a colloid made primarily from butyl rubber, combined with other polymer materials. It does not cure and retains permanent adhesiveness. It is easy to apply by pressure bonding and has excellent adhesion to automotive steel panels and waterproof membranes. It can maintain its adhesive elasticity and sealing properties over time, while also offering excellent weather resistance and waterproofing. The product does not flow at high temperatures or crack at low temperatures and meets the emission performance testing standards for automotive materials and components.

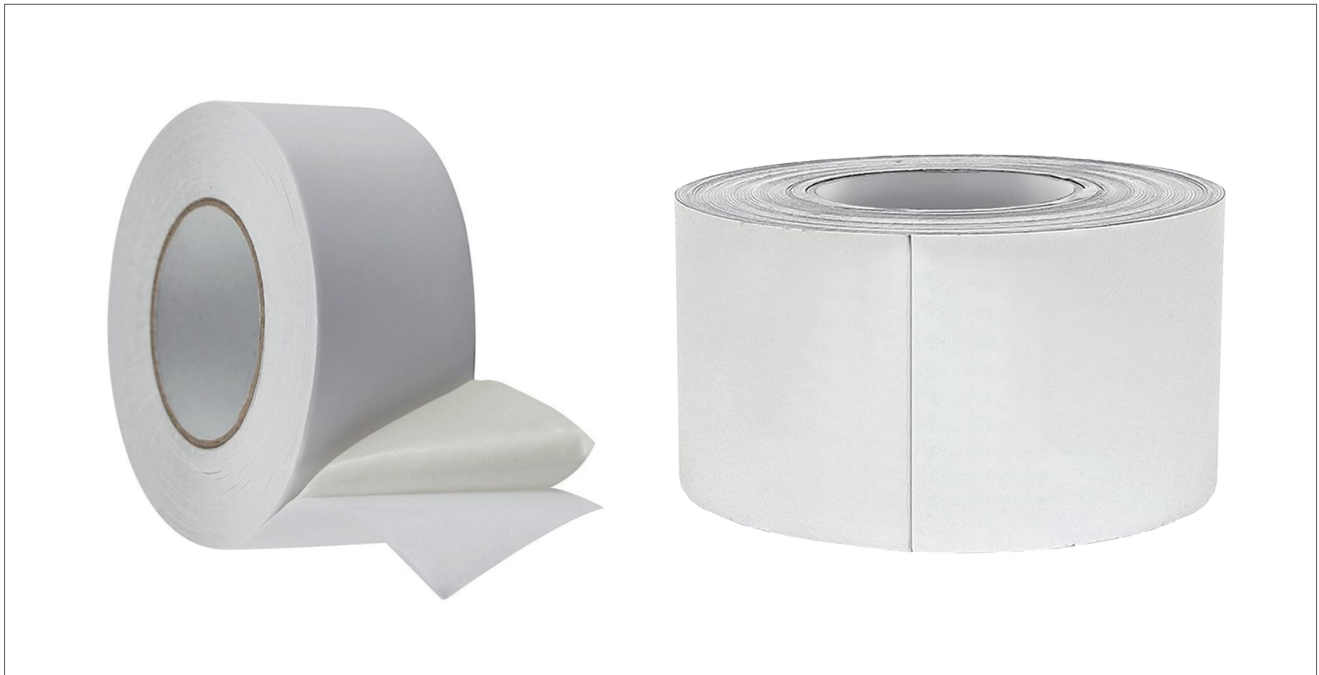
■ Product Features

1. **Aging resistance:** Its performance remains unchanged after prolonged exposure to UV rays.
2. **Good adhesive strength:** Maintains its plasticity and sealing properties over a wide temperature range, with no cracking or hardening on the surface.
3. **High and low temperature resistance:** Colloid does not become brittle or crack at -40°C , and does not flow at high temperatures of 120°C .
4. **Eco-friendly materials:** Non-toxic, odorless, pollution-free, and safe to use.
5. **Excellent sealing:** Extremely low water vapor permeability.
6. **Easy to use:** Facilitates integration with automated production lines.

■ Product Usage

Suitable for automotive headlight sealing, door interior rain membrane sealing, battery pack shockproof and waterproof sealing, windshield sealing, audio, decorative parts, body panel seam sealing, and other component sealing.

RV roof repair tape



RV roof repair tape

■ Product Introduction

The RV roof repair tape is made with premium butyl adhesive as the base material, covered with a high-elastic, aging-resistant film. It is specifically designed for outdoor mobile facilities such as RVs, trucks, shipping containers, and modular houses. This product boasts excellent UV resistance and aging durability, along with high elongation, strong adhesion, and instant tackiness. It is easy to apply, providing long-lasting waterproof sealing performance with outstanding adaptability to extreme temperatures. It remains stable without oozing or detaching even at 120°C, and retains its elasticity without cracking in harsh cold conditions as low as -40°C.

■ Product Features

Excellent flexibility: It has good elongation and strong elasticity, able to adapt to the expansion and contraction of the adhered joint, and has strong adaptability to interface deformation and cracking.

Easy to apply: With high adhesive viscosity, it can be applied in one step, making it easy to use.

Excellent weather resistance: It is resistant to aging, UV, and corrosion, unaffected by wind, sun, and rain.

High and low temperature resistance: Maintains flexibility and does not become brittle or crack at low temperatures of -40°C; does not flow or melt at high temperatures of 120°C.

■ Product Usage

This product has a wide range of applications and can be used on the surfaces of various materials except silicone, such as car roofs and bodies, rooftops, and more. It is suitable for EPDM, TPO, most PVC, CSPE (chlorosulfonated polyethylene coatings), CPE, SBS, modified APP/asphalt burrs/tar burrs; all metal roofs, tiles, aluminum, galvanized steel, gypsum boards, wood, polyethylene, polypropylene, polystyrene, fiberglass, brick, concrete, masonry, OSB, and other materials.

■ Product Parameters

Main materials	High elastic membrane, butyl rubber, release film
Colloid Color	Dark grey, light grey, white (regular)
Thickness	1mm (regular)
Width	5cm,10cm,15cm (regular)
Length	15m (regular)
Surface color	Black, white
Surface material	High elastic membrane
Service temperature	(-40~120) °C
Implementation standard	JC/T 942-2022, T/CECS 10201-2022

| CUSTOM SERVICES

FACTORY STRENGTH



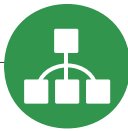
Original Manufacturer

Service Advantages

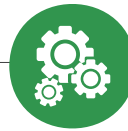
Official Certification



SAMPLE
DEVELOPMENT



Brand
Distribution



Engineering
customization



OEM/ODM



SSTRUCTURAL
DESIGN



CROSS-BORDER
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