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BONDING

APPLICATION

SOLUTIONS



Suzhou Hanruisi New Material Technology Co.,Ltd.

www.vomelt.com

Company Profile

Suzhou Hanruisi New Material Technology Co., Ltd. was founded in 1998.,focusing on the field of hot melt adhesives for 20 years.We are a manufacturer and the factory address

is located in Suzhou City,Jiangsu Province,China.Our main products are hot-melt adhesive film,hot-melt adhesive web film,and hot-melt adhesive net film.Can provide brand direct sales and OEM processing,has passed ISO 9001 system certification and RoHS 2.0 testing.

Mainly produced products:

1.Hot melt adhesive web,hot melt adhesive film products

We have advanced production line equipment,which can produce and process hot melt adhesive web film and hot melt adhesive film including PA, PES,TPU,EVA and PO.The products are environmentally friendly and easy to operate.They are widely used in clothing,shoes and hats,home textiles and building materials,automotive interiors,electronic technology,air filtration and water filtration.

2.P rovide hot melt adhesive waterproof and breathable film products.

This product is a waterproof and breathable PU film,coated with hot melt adhesive dots on both sides of the PU film,which can be ironed for the bonding of the two layers of fabrics.The laminated product can not only prevent water molecules Infiltrate but also can expel sweat at the same time. It is widely used in products such as waterproof socks,ski gloves,windproof caps,and so on.



Hot-melt adhesive web film

Hot-melt adhesive web also known as double-sided fusible interlining. It is an environmentally friendly hot melt adhesive product similar to a non-woven fabric. It has no stickiness at room temperature but will melt at high **temperatures, and it is sticky on both sides. It has air permeability and good softness.** It is divided into two types with backing paper and without backing paper. At the same time, it is divided into many models according to the different components of the hot-melt adhesive web. Different models of the hot-melt adhesive web have different attributes and characteristics. The application areas are also different. Its main function is bonding, which can be easily **laminated with other materials, such as cloth or leather.**

More breathable

Since the hot melt adhesive web has a shape similar to a non-woven fabric, it will not block the pores of the fabric during use, and it performs better in terms of air permeability.

Softer

Compared with hot-melt adhesive film, hot-melt adhesive web is softer because the glue molecules of hot-melt adhesive web are not completely connected.

Lower cost

Hot melt adhesive web film is generally cheaper than adhesive film, because the best-selling hot-melt adhesive web film usually weighs about 12-50 grams per square meter, while the best-selling film-like hot-melt adhesive weighs about 24-200 grams per square meter. The difference in glue content will increase the overall cost of the film adhesive, and many types of film adhesive will also have the cost of a layer of backing paper.



With and without backing paper

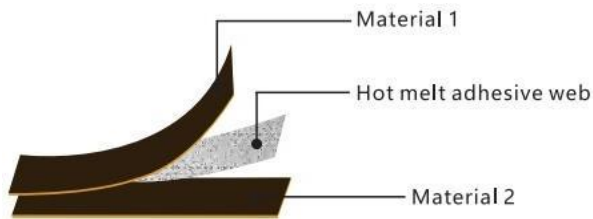
Hot melt adhesive web are also available with or without backing paper. The so-called backing paper, **scientifically known as release film, is backed behind the hot-melt mesh film to play a thermal transfer role.**

The main difference between backed and unbacked liners is cost and usage, with backed liners generally costing more. Among hot-melt adhesive web film products, **most are sold without a backing paper.**

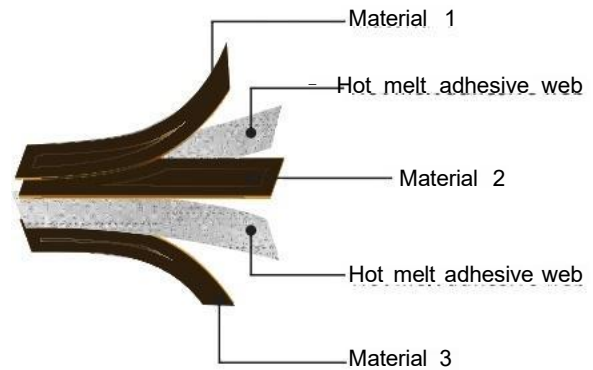
How to use backing paper without backing:

- 1、Cut the product into a specific shape according to your needs or use it directly.
- 2、Place the hot-melt adhesive web film between the two layers of materials that need to be bonded. The order of placement is: material 1/hot-melt web/material 2.
- 3、**Use an iron or professional pressing equipment to heat and iron on the material 1 or material 2 side (choose the material on the side that is easy to heat).** For ironing temperature, please refer to the technical parameter table of different models, and the pressing time is 8 to 30 seconds. **Conduct heat to the hot-melt web film in the middle and melt it to bond with material 1 and material 2 to complete the bonding.**

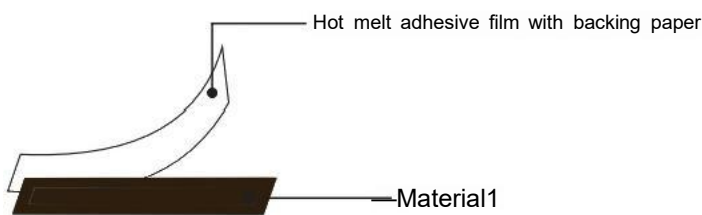
Example:Plan view of double-layer material bonding:



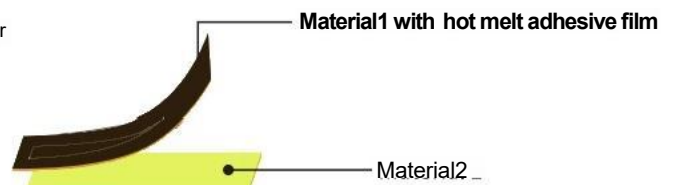
Example:Plan view of three-layer material bonding:



First bonding:



Second bonding:



How to use backing paper:

- 1.Place the adhesive side of the hot melt adhesive web film with the material to be bonded,with the release paper side facing up, **and the order of placement is:** release paper layer/web adhesive layer/material to be bonded1.
- 2.Use a relatively low temperature to heat the release paper side to make it adhere.
- 3.After cooling, **peel off the release paper.**
- 4.Align the glued material 1 with the material on the other side(material 2)that needs to be bonded.The **placement sequence is:material 1/hot melt adhesive layer/material 2,and then use ironing equipment to bond,that is,the bonding industry is completed.**

Note:

- (1)The ironing temperature is inversely proportional to the ironing time,that is,the lower the ironing temperature,the longer the ironing time is required to ensure the bonding effect,but the minimum ironing **temperature must be higher than Product melting point.**
- (2)After the bonding is completed,place it at room temperature,and after it cools naturally,the peel strength **can be tested.** In order to ensure the final bonding effect of the product,it is recommended to perform the test again 24 hours after the bonding is completed.
- (3)The optimal ironing temperature,ironing pressure,and ironing time vary according to the actual use of equipment and the conditions of the bonded materials.Users need to pass tests continuously to obtain the best **values.**The usage parameters in the technical parameter **table are for reference only,**and do not represent the final value of each material.
- (4)When the ironing equipment is an iron,try not to turn on the steam of the iron.

PA(co-polyamide)hot melt adhesive web film

PA is one of the most commonly used types in hot melt adhesive web, and its composition is copolyamide. It has no elasticity and is white in color. It has good viscosity and a wide range of applications. It is more suitable for **bonding textiles and leather materials. It is also suitable** for bonding paper, sponge, Pifilm, **and other materials.** It has excellent dry cleaning resistance and water washing resistance. It is widely used in automotive interiors, home textiles, **and other fields.** The product has passed the RoHS 2.0 test of SGS company.

This product is a hot-melt web film without a backing paper. If you need a hot-melt web film with a backing paper, please refer to page 7.

Applicable bonding materials:

- Textile fabrics
- Genuine leather
- Sponge foam
- Timber board
- Polymer film
- Paper
- Rubber

Applicable fields:

- Clothing
- Car interior
- Shoe Material Field
- Filter material
- Luggage industry
- Home textile interior

Characteristic:

- Good breathability, **no elasticity**
- Excellent dry cleaning **resistance**, washable
- It is not prone to yellowing and aging, and the molecular stability is good
- Good adhesion to materials such as textiles, leather and foam

Technical parameter table

Model	XWA116	XWA112	XWA95	SWA86	XWA116H	P-XWA116
Ingredient	CO-PA (Copolyamide)	CO-PA (Copolyamide)	CO-PA (Copolyamide)	CO-PA (Copolyamide)	CO-PA (Copolyamide)	CO-PA (Copolyamide)
With backing paper	NO	NO	NO	NO	NO	YES
Color/shape	White/simila to non-woven fabric					
Melting range (°C)	118-130	110-125	97-108	85-95	118-130	115-130°C
Customizable weight range (gms)	5-120	5-120	5-120	5-120	5-120	5-120
Customizable wide range (mm)	5-3260	5-3260	5-3260	5-3260	5-3260	5-1560
Customizable length of each roll (meters)	5-2000	5-2000	5-2000	5-2000	5-2000	5-500
Recommended use parameters	Use temperature (°C)	135-160	125-150	112-148	105-135	135-160
	Ironing pressure (MPa)	0.2	0.2	0.2	0.2	0.2
	Ironing time (s)	10-20	10-20	10-20	10-20	10-20
Characteristic	Breathable; soft					



PES(copolyester)hot melt adhesive web film

The composition of PES **hot melt adhesive web is copolyester**.It does not have a backing paper and is inelastic, but it has excellent washing resistance.PES hot melt adhesive web is more suitable for bonding materials such as polyester fabrics,polyester **sponges**, films and metal sheets,and is widely used in clothing and apparel,water treatment,industrial products and other fields.The product has passed the RoHS 2.0 test of SGS company.

Applicable bonding materials:

- Textile fabrics
- Sponge foam
- Timber board
- Polymer film
- Paper
- Rubber
- Metal foil





Applicable fields:

- Clothing
- Circulating water treatment
- Filter material
- Luggage industry
- Home textile interior
- Architectural decoration

Characteristic:

- Good breathability,**no elasticity**
- Excellent washing resistance,can be washed many times without opening the glue
- Not easy to yellow and age
- Good adhesion to materials such as polymer film,polyester textiles and foam

Technical parameter tabl

Model	TWS105	TWS165	P-TWS105	
Ingredient	CO-PES (Copolyester)	CO-PES (Copolyester)	CO-PES (Copolyester)	
With backing paper	NO	NO	YES	TWS10515g/m
Color/shape	White/similar to non-woven fabric	White/similar to non-woven fabric	White/similar to non-woven fabric	
Melting range(°C)	105-125	140-165	105-125°C	TWS10515g/m
Customizable weight range(gms)	8-150	8-120	8-150	
Customizable wide range(mm)	5-3260	5-3260	5-3260	
Customizable length of each roll (meters)	5-2000	5-2000	5-2000	
Recommended use parameters	Use temperature (°C)	125-155	175-200	125-155°C
	Ironing pressure (MPa)	0.2	0.2	0.2
	Ironing time(s)	10-20	10-20	10-20
Characteristic	Breathable;soft			

EVA(vinyl acetate copolymer)hot melt adhesive web film

The composition of EVA hot melt adhesive web is vinyl acetate copolymer. It has no backing paper, is flexible and soft to the touch, but has poor water resistance. EVA **hot melt adhesive web is more suitable** for bonding polypropylene fabrics, sponges, paper, wood products and other materials, and has applications in air filtration, **industrial products and home textiles**. The product has passed the RoHS 2.0 test of SGS company.

Applicable bonding materials:

- Polypropylene fabric and non-woven fabric
- Sponge foam
- Timber board
- Polymer film
- Paper • Rubber

Applicable fields:

- Architectural decoration
- Home textile interior
- Air filtration
- Daily necessities
- Apparel industry

Characteristic:

- Good breathability
- Feel soft and flexible
- Good adhesion to XPE foam, EVA foam, paper and polypropylene fabrics
- Poor washing resistance

Technical parameter table

Model		LWV65
Ingredient		EVA(Vinyl Acetate Copolymer)
Color/shape		White/similar to non-woven fabric
Melting range(°C)		65-80
Customizable weight range(gms)		10-100
Customizable wide range(mm)		10-3200
Customizable length of each roll(meters)		5-1000
Recommended use parameters	Use temperature(°C)	80-105
	Ironing pressure(MPa)	0.2
	Ironing time(s)	10-20
Characteristic		Elastic;breathable;soft





TPU(polyurethane)hot melt adhesive web film

The composition of TPU hot melt adhesive web is polyurethane.It does not have backing paper and has better washing resistance.In the TPU hot-melt adhesive web,the medium-temperature melting point has elasticity but the low-temperature one does not.It is suitable for bonding textile fabrics,polyurethane sponges,leather and other materials,and is widely used in sportswear,home textiles and other fields.

Applicable bonding materials:

- Textile fabrics
- Genuine leather
- Polyurethane sponge foam
- TPU film
- Paper
- Wood plank

Applicable fields:

- Sports and stretch clothing
- Car interior
- Shoe Material Field
- Filter material
- Architectural decoration
- Daily necessities
- Medical products

Characteristic:

- Good breathability
- Feel soft and flexible
- Good adhesion to elastic fabrics and polyurethane sponges
- Good washing resistance

Technical parameter table

Model	HWU98	TWU68	P-HWU98	
Ingredient	TPU (Polyurethane)	TPU (Polyurethane)	TPU (Polyurethane)	
With backing paper	NO	NO	YES	
Color/shape	White/similar to non-woven fabric	White/similar to non-woven fabric	White/similar to non-woven fabric	
Melting range(°C)	98-118	55-70	98-118	
Customizable weight range(gms)	15-100	15-100	15-100	
Customizable wide range(mm)	10-3200	5-3200	5-1560	
Customizable length of each roll (meters)	5-1000	5-1000	5-1000	
Recommended use parameters	Use temperature (°C)	110-140	70-100	110-140
	Ironing pressure (MPa)	0.2	0.2	0.2
	Ironing time(s)	10-20	10-20	10-20
Characteristic	Elastic;breathable; soft	Breathable;soft	Elastic;breathable; soft	



Hot melt adhesive net & grille adhesive

The composition of hot melt adhesive net & grille adhesive is PA (copolyamide), which has a regular mesh shape. It is divided into models with and without backing paper. It has good adhesion and can make up for the shortcomings of the adhesive film in breathability. It **has Good dry cleaning resistance and washable.**

Applicable bonding materials:

- Textile fabrics
- Genuine leather
- Sponge foam
- Wood plank
- Polymer film
- Paper
- Rubber

Applicable fields:

- Handmade and repair fields
- Clothing
- Car interior
- Shoe Material Field
- Filter material
- Luggage industry
- Home textile interior

Characteristic:

- Good breathability, no elasticity
- Excellent dry cleaning resistance, washable
- It is not prone to yellowing and aging, and the molecular stability is good
- Good adhesion to materials such as textiles, leather and foam

Technical parameter table

Model		ZWA35	ZGA28
Type		Hot-melt adhesive net	Hot-melt adhesive grille adhesive
Ingredient		COPA (Copolyamide)	COPA (Copolyamide)
With release paper		YES	YES
Color/shape		Transparent/Regular net shape	Transparent/Rhombus
Elastic force		NO	NO
Melting range (°C)		115-130	115-130
Customizable weight range (gms)		35	27-30
Customizable wide range (mm)		5-1120	5-1000
Customizable length of each roll (meters)		5-200	5-200
Recommended use parameters	Use temperature (°C)	135-160	135-160
	Ironing pressure (MPa)	0.2	0.2
	Ironing time (s)	10-20	10-20
Characteristic		Breathable; better viscosity dry cleaning resistance	Breathable; better viscosity dry cleaning resistance



Fusible hemming web&double-sided adhesive tape

Fusible hemming web is a cutting product of hot-melt adhesive web.It does not have a backing paper.It can be used for the bonding of clothing handmade and industrial products.It is mainly based on PA type hot-melt web.The conventional weight is 23g(customizable),with breathability,washing resistance and dry cleaning performance.

Hot-melt double-sided adhesive tape is a hot-melt adhesive film cutting product.It is mainly used for bonding clothing and textiles.It is mainly based on TPU type hot-melt adhesive film. According to different needs,it is divided into ordinary elastic and high elastic types,both with With backing paper,it can be used for bonding in seamless underwear,clothing,daily necessities,and other fields.

Both fusible hemming web and adhesive tape have passed SGS's RoHS 2.0 inspection.

Applicable bonding materials:

- Textile fabrics
- Genuine leather
- Sponge foam
- Wood plank
- Polymer film
- Paper ● Rubber

Applicable fields:

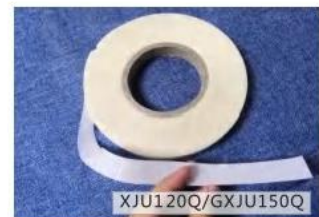
- Garment hemming
- Seamless underwear
- Seamless stitching of textiles
- Shoe Material Field
- Home textile interior

Characteristic:

- Good washability
- Good adhesion to textile fabrics and leather materials

Technical parameter table

Model	XWA116Q	XJU120Q	GXJU150Q	
Type	Fusible hemming web	Double-sided hot mel adhesive tape		
Ingredient	COPA(Copolyamide)	TPU (Poyurethane)	TPU (Polyurethane)	
With release paper	NO	YES	YES	
Color/shape	White/similar to non-woven fabric	Transparent/film	Transparent/film	
Elastic force	NO	YES	Great	
Melting range (C)	118-130	95-110	125-145	
Customizable weight range(gms)	8-120(Usually 23gms)	18-180	60-180	
Customizable thickness range(mm)	-	0.015-0.60	0.05-0.40	
Customizable wide range(mm)	5-3260	5-1500	5-1500	
Customizable length of each roll(meters)	5-100	5-100	5-100	
Recommended use parameters	Use temperature(°C)	135-160	110-150°C	145-180°C
	Ironing pressure(MPa)	0.2	0.2	0.2
	Ironing time(5)	10-20	10-30	10-30
Characteristic	Breathable;soft;resistant to dry cleaning	Good viscosity;good washing resistance		



Hot melt adhesive film

Hot-melt adhesive web also known as double-sided fusible interlining. It is an environmentally friendly hot melt adhesive product similar to a non-woven fabric. It has no stickiness at room temperature but will melt at high temperatures, and it is sticky on both sides. **It has air permeability and good softness.** It is divided into two types with backing paper and without backing paper. At the same time, it is divided into many models according to the different components of the hot-melt adhesive web. Different models of the hot-melt adhesive web have different attributes and characteristics. **The application areas are also different.** Its main function is bonding, which can be easily laminated with other materials, **such as cloth or leather.**

Better bonding performance

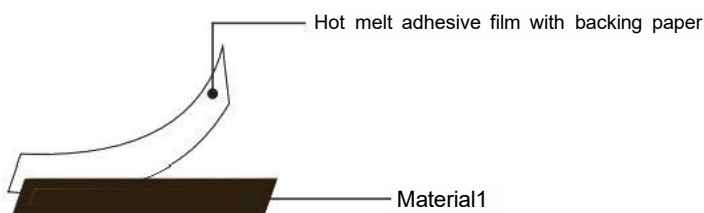
Hot-melt adhesive film is a thin-film hot-melt adhesive product, and the **glue molecules are closely connected together.** Therefore, hot-melt adhesive films are more viscous than hot-melt adhesive webs.

How to use it:

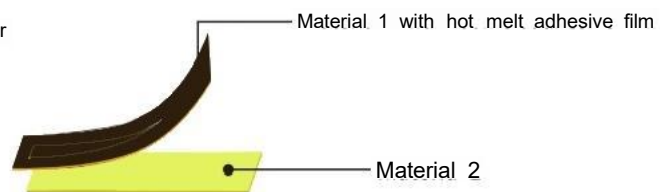
1. Place the adhesive side of the hot melt adhesive film with the material to be bonded, with the release paper side facing up, and the order of placement is: release paper layer/adhesive film layer/material to be bonded.
2. Use a relatively low temperature to heat the release paper side to make it adhere.
3. After cooling, **peel off the release paper.**
4. Align the glued material 1 with the material on the other side (material 2) that **needs to be bonded. The placement sequence is: material 1/hot melt adhesive layer/material 2,** and then use ironing equipment to bond, that is, the bonding industry is completed.



First bonding:



Second bonding:



Note:

(1) The ironing temperature is inversely proportional to the ironing time, **that is, the lower the ironing temperature,** the longer the ironing time is required to ensure the bonding effect, but the minimum ironing temperature must be higher than Product melting point.

(2) After the bonding is completed, place it at room temperature, and after it cools naturally, the peel strength can be tested. In order to ensure the final bonding effect of the product, it is recommended to perform the test again 24 hours after the bonding is completed.

(3) The optimal ironing temperature, ironing pressure, and ironing time vary according to the actual use of equipment and the conditions of the bonded materials. Users need to pass tests continuously to obtain the best values. The usage parameters in the technical parameter table are for reference only, and do not represent the final value of each material.

(4) When the ironing equipment is an iron, try not to turn on the steam of the iron.

(5) For the use of hot melt adhesive film products without backing paper, **please refer to hot melt adhesive web film.**

Low-temperature TPU(polyurethane) hot melt adhesive film

The composition of the low temperature TPU hot melt adhesive film is polyurethane, which has no elasticity, but has good washing resistance. It is more suitable for bonding all kinds of materials such as genuine leather, leather, textile fabrics, polyurethane sponge, wood products and paper. Especially leather, because of its low-temperature characteristics, it does not require a very high temperature during ironing, which can effectively protect the leather material from heat damage. It is widely used in apparel, footwear, home building materials, industrial products, daily necessities and other fields. The product has passed the RoHS 2.0 test of SGS company.

Applicable bonding materials:

- Textile fabrics
- Timber board
- Genuine leather
- PVC leather
- Polyurethane sponge foam
- TPU film
- Paper • Rubber

Applicable fields:

- Daily necessities
- Shoe Material Field
- Architectural decoration
- Clothing
- Medical products
- Car interior

Characteristic:

- Good adhesion to leather, sponge, wood products and textiles
- Good washing resistance
- Translucent matte color, no elasticity

Technical parameter table

Model		HJU80	XJU83	PE-DJU90
Ingredient		TPU (Polyurethane)		
With release paper		NO	YES	YES (Release film)
Color/shape		White translucent/film shape		
Melting range (°C)		70-90	80-95	55-80
Customizable thickness range (mm)		0.02-0.10	0.05-0.60	0.02-0.15
Customizable wide range (mm)		5-1600	5-1500	5-1500
Customizable length of each roll (meters)		5-1000	5-500	5-500
Recommended use parameters	Use temperature (°C)	85-110	100-130	70-100
	Ironing pressure (MPa)	0.2	0.2	0.2
	Ironing time (s)	10-30	10-30	10-30
Characteristic		Low-temperature melting point		



Elastic TPU(polyurethane)hot melt adhesive film

The component of the elastic TPU hot melt adhesive film is polyurethane, which has good washing resistance and belongs to the middle and high-temperature melting point type. Elastic TPU hot melt adhesive film is more suitable for the bonding of textile cloth, sponge, leather, TPU film, and other materials, and it is also the most used type in hot melt adhesive film. It is widely used in the fields of apparel, footwear, underwear, home textiles, medical and industrial products. The product has passed the RoHS 2.0 test of SGS company.

Applicable bonding materials:

- Textile fabrics
- Genuine leather
- Polyurethane sponge foam
- TPU film
- Paper
- Rubber

Applicable fields:

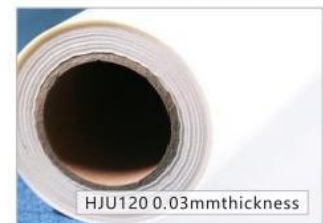
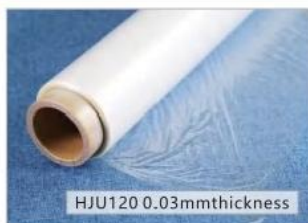
- Clothing
- Shoe Material Field
- Daily necessities
- Medical products
- Car interior
- Luggage industry
- Home textile interior

Characteristic:

- **Good adhesion to textiles, leather, sponge and TPU film materials**
- Excellent washing resistance, can be washed many times without opening the glue
- Transparent color, elastic

Technical parameter table

Model	YJU106	XJU120	PE-XJU120	XJU135	JJU120	HJU105	XJU150	XJU120B	
Ingredient	TPU (Polyurethane)								
With release paper	NO	YES	YES (PE release film)	YES	YES	YES	YES	YES	
Color/shape	Transparent/film	Transparent/film	Transparent/film	Transparent/film	Transparent/film	Transparent/film	Transparent/film	Milky/film	
Elastic force	YES	YES	YES	YES	YES	YES	Great	YES	
Melting range (°C)	90-100	95-110	95-110	105-120	105-120	105-120	125-145	95-110	
Customizable thickness range (mm)	0.008-0.08	0.015-0.60	0.015-0.60	0.05-0.40	0.025-0.40	0.025-0.40	0.05-0.40	0.015-0.60	
Customizable wide range (mm)	5-3000	5-1530	5-1530	5-1500	5-1530	5-1530	5-1500	5-1500	
Customizable length of each roll (meters)	5-1000	5-500	5-500	5-500	5-500	5-500	5-500	5-500	
Recommended use parameters	Use temperature (°C)	115-150	110-150	110-150	130-160	130-160	130-160	145-180	110-150
	Ironing pressure (MPa)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	Ironing time (s)	10-30	10-30	10-30	10-30	10-30	10-30	10-30	10-30
Characteristic	Elastic, good washing resistance, low cost	Elastic, good washing resistance, mainstream	Elastic, good washing resistance	Elastic, good washing resistance Good adhesion to waterproof fabrics	Elastic, good washing resistance Product surface is smooth	Elastic, good washing resistance Good yellowing resistance	High elasticity and high melting point, good washing resistance	Elastic, good washing resistance, milky	



PES(copolyester)hot melt adhesive film

PES is one of the types of hot melt adhesive film,the composition is copolyester,has excellent washing resistance, but no elasticity.PES hot-melt adhesive film is suitable for bonding a wide range of materials.It can be used for bonding textile fabrics,sponges,films,rubber,plastics and metals.It is widely used in clothing,shoes,hats,industrial products and daily necessities.The product has passed the RoHS 2.0 test of SGS company.

Applicable bonding materials:

- Polyester textile
- Sponge foam
- Polymer film
- Paper
- Rubber
- Metal sheet
- Timber board



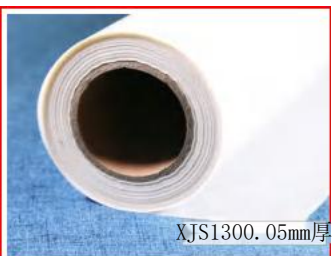


Applicable fields:

- Clothing
- Carinterior
- Home textile interior
- Daily necessities
- Circulating water treatment
- Luggage industry
- Architectural decoration

Characteristic:

- Good adhesion to polyester textiles,sponge foam and polymer films
- Excellent washing resistance,can be washed many times without opening the glue
- Not easy to yellow and age
- **no elasticity**

Technical parameter table

Model	TJS125	XJS130	XJS130B	XJS102	
Ingredient	PES(Co-polyester)				
With release paper	NO	YES	YES	YES	TJS1250.05mm厚
Color/shape	White translucent/film shape	White translucent/film shape	Milky white/film shape	White translucent/film shape	
Melting range(°C)	115-125	115-125	115-125	105-115	XJS1300.05mm厚
Customizable thickness range (mm)	0.04-0.10	0.05-0.60	0.05-0.60	0.05-0.60	
Customizable wide range(mm)	5-1600	5-1500	5-1500	5-1500	
Customizable length of each roll (meters)	5-2000	5-500	5-500	5-500	XJS1300.05mm厚
Recommended use parameters	Use temperature (°C)	130-160	130-160	130-160	120-150
	Ironing pressure (MPa)	0.2	0.2	0.2	0.2
	Ironing time (s)	10-30	10-30	10-30	10-30
Characteristic	No elasticity, washable				

EVA(Vinyl Acetate Copolymer) hot melt adhesive film

The composition of EVA hot melt adhesive film is vinyl acetate copolymer, which is elastic and soft to the touch, with a low melting point, but poor washing resistance. EVA hot melt adhesive film is more suitable for bonding polypropylene fabrics, non-woven fabrics, foam, paper wood, and other materials, and is widely used in home textile interiors, industrial products, and daily necessities. The product has passed the RoHS 2.0 test of SGS company.

Applicable bonding materials:

- Sponge foam
- Paper
- Textiles
- Timber board
- Rubber

Applicable fields:

- Daily necessities
- Shoe Material Field
- Home textile interior
- Architectural decoration
- Clothing
- Filter material

Characteristic:

- Good adhesion to XPE, EVA foam, **polypropylene** non-woven fabric and paper wood
- Soft and elastic
- **The color is translucent when not in use**, and the color becomes transparent after use
- Poor washing resistance

Technical parameter table

Model	HJV75	HJV85	HJV100	HJV90	
Ingredient	EVA(Vinyl Acetate Copolymer)				
With release paper	NO	NO	NO	YES	
Color/shape	White translucent/film shape	White translucent/film shape	White translucent/film shape	White translucent/film shape	
Melting range (°C)	55-70	65-80	85-105	65-80	
Customizable thickness range(mm)	0.015-0.20	0.015-0.20	0.015-0.20	0.03-0.40	
Customizable wide range(mm)	5-1600	5-1600	5-1600	5-1500	
Customizable length of each roll (meters)	5-1000	5-1000	5-1000	5-500	
Recommended use parameters	Use temperature (°C)	70-100	90-120	110-145	90-120
	Ironing pressure (MPa)	0.2	0.2	0.2	0.2
	Ironing time(s)	10-30	10-30	10-30	10-30
Characteristic	Soft;elastic				



PO(Polyolefin) hot melt adhesive film

The composition of PO hot melt adhesive film is polyolefin, it has no elasticity, the color is transparent, and it is washable. PO hot melt adhesive film is suitable for bonding textile fabrics, metal sheets and other materials, and has applications in apparel, home textiles and industrial products.

Applicable bonding materials:

- Textile fabrics
- Metal foil
- Sponge foam
- Timber board
- Genuine leather
- Paper

Applicable fields:

- Clothing
- Home textile interior
- Daily necessities
- Shoe Material Field
- Architectural decoration
- Luggage industry

Characteristic:

- Good adhesion to cloth and metal flakes
- Not easy to yellow and age
- Transparent color, no elasticity
- Good washing resistance

Technical parameter table

Model	XJ0115	XJ0116
Ingredient	PO(Polyolefin)	
With release paper	YES	NO
Color/shape	Transparent/film	Transparent/film
Melting range(°C)	100-115	100-115
Customizable thickness range (mm)	0.05-0.60	0.05-0.60
Customizable wide range(mm)	5-1500	5-1500
Customizable length of each roll (meters)	5-500	5-500
Recommended use parameters	Use temperature (°C)	125-150
	Ironing pressure (MPa)	0.2
	Ironing time(s)	10-30
Characteristic	No elasticity, washable	No elasticity, washable



PA(Copolyamide) hot melt adhesive film

The composition of PA hot melt adhesive film is copolyamide, which has no elasticity, transparent color, good washing and dry cleaning resistance, and good molecular stability. PA hot melt adhesive film is suitable for bonding textile fabrics, PI films, leather and rubber, and other materials, and has applications in clothing, shoes, hats, electronics and other fields.

Applicable bonding materials:

- Textile fabric
- Polymer film
- Sponge foam
- Timber board
- Genuine leather
- Paper ● Rubber

Applicable fields:

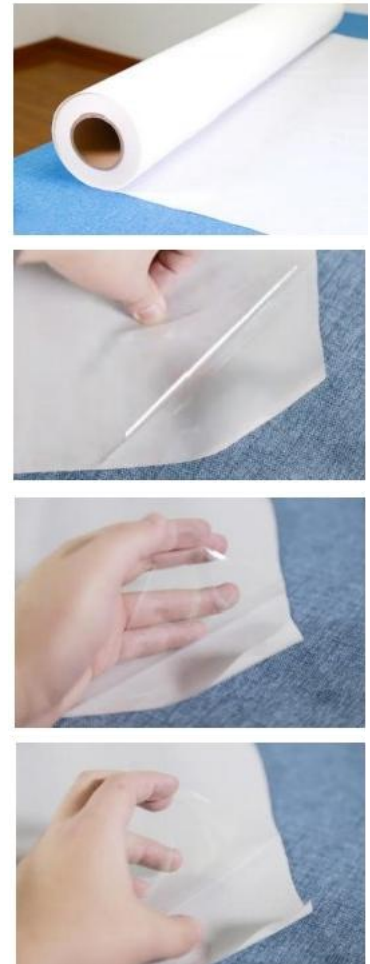
- Clothing
- Electronic field
- Car interior
- Home textile interior
- Daily necessities
- Shoe Material Field

Characteristic:

- Good adhesion to textiles and PI films
- It is not prone to yellowing and aging, and the molecular stability is good
- Transparent color, **no elasticity**
- Excellent dry cleaning resistance, good washing resistance

Technical parameter table

Model		XJA110
Ingredient		CO-PA(Copolyamide)
With release paper		YES
Color/shape		Transparent/film
Melting range(°C)		120-130
Customizable thickness range(mm)		0.05-0.40
Customizable wide range(mm)		5-1500
Customizable length of each roll(meters)		5-500
Recommended use parameters	Use temperature(°C)	130-160
	Ironing pressure(MPa)	0.2
	Ironing time(s)	10-30
Characteristic		Excellent dry cleaning resistance, no elasticity



TPRjelly gluehot meltadhesive flat film and porous film

TPR jelly glue hot melt adhesive film has excellent resilience, good water resistance and high melting point. It is suitable for bonding spandex fabrics, nylon fabrics and other elastic fabrics, and is widely used in fields with high elasticity requirements such as one-piece pants, yoga pants, and seamless underwear. The products have passed national food safety standards and food contact testing and certification.

Applicable bonding materials:

- Spandex cloth
- Nylon cloth
- Polyester cloth

Applicable fields:

- Clothing waist area
- Seamless underwear
- Yoga pants and stretch pants
- Non-slip boat socks

Characteristic:

- High elasticity and rebound performance
- Excellent washability, can be washed multiple times without peeling off the glue
- Transparent, soft

Technical parameter table

Model	XJE133	DKE150	DLE150	SPE30
Ingredient	TPE (Synthetic Rubber)	TPE (Synthetic Rubber)	TPE (Synthetic Rubber)	TPE (Synthetic Rubber)
With release paper	Release paper/PET release film	Release paper/PET release film	Release paper/PET release film	Release paper/PET release film
Color/shape	Transparent/flat film	Transparent/perforated film	Transparent/corrugated film	Transparent/honeycomb film
Elastic force	YES	YES	YES	YES
Melting range (°C)	65-95	65-95	65-95	65-95
Customizable thickness range (mm)	0.05-0.5	0.10-0.5	0.05-0.5	0.10-0.5
Customizable wide range (mm)	5-1530	5-1530	5-1530	5-1530
Customizable length of each roll (meters)	5-500	5-500	5-500	5-500
Recommended use parameters	Use temperature (°C)	170-185	170-185	170-185
	Ironing pressure (MPa)	0.2	0.2	0.2
	Ironing time (s)	15-35	15-35	15-35
Characteristic	High elasticity, washable, soft	High elasticity, washable, soft and breathable		



Spandex hot melt adhesive film and base fabric adhesive film

Spandex hot melt adhesive film and base fabric adhesive film are products that use fabric as the base material or intermediate material, with hot melt adhesive attached to one or both sides. They can be used in clothing to serve as reinforcements and hemming.

Applicable bonding materials:

- Polyester cloth
- Spandex cloth
- Nylon cloth

Applicable fields:

- Seamless shirt/POLO shirt
- Seamless underwear bonding application
- Bonding application of yoga pants and elastic pants
- Jacket/down jacket field

Characteristic:

- With cloth base
- Excellent washability, can be washed multiple times without peeling off the glue
- Spandex adhesive film has high resilience; Oxford cloth adhesive film has high stiffness effect.

Technical parameter table

Type	Spandex hot melt adhesive film	Oxford cloth single sided hot melt adhesive film	75D knitted fabric single sided hot melt adhesive film
Model	AJU65/85/120/140/160	NJ-S-XJU120	75D-S-XJU120
Fabric base material weight (gms)	65/85/120/140/160	230	115
Commonly used adhesive film weights and thicknesses	124g; 0.05mm	124g; 0.10mm	372g; 0.03mm
Adhesive film weight and thickness range	Customized according to customer needs		
Single/double-sided hot melt adhesive	Double sided	Single sided	Single sided
With release paper	YES	YES	YES
Elastic force	Stretchy/high resilience	No elasticity	microelasticity
Melting range (°C)	95-110	95-110	95-110
Customizable thickness range (mm)	0.015-0.60	0.015-0.60	0.015-0.60
Customizable wide range (mm)	5-1530	5-1530	5-1530
Customizable length of each roll (meters)	5-500	5-500	5-500
Recommended use parameters	Use temperature (°C)	130-150	130-150
	Ironing pressure (MPa)	0.2	0.2
	Ironing time (s)	10-30	10-30
Characteristic	High elasticity	Stiff	Slightly Stiff



Hot melt adhesive waterproof and breathable membrane

Hot melt adhesive waterproof and breathable membrane is a material with dots of hot melt adhesive on both sides of the PU membrane. It can be placed between two layers of fabric and then laminated with an iron to obtain a breathable and waterproof fabric. The material can be widely used in products such as waterproof socks, waterproof gloves and skicaps.

We can cooperate with other suppliers in China to make it into a semi-finished mold, such as a glove shape or a sock shape for the user's use. For example the picture below.

We can cooperate with other suppliers in China to make it into a semi-finished mold, such as a glove shape or a sock shape for the user's use. For example the picture below

Technical parameter table

Model		JU1513
Weight (g/sqm) (ISO 2286-2)	Total weight	56
	Membrane weight	30
	Hot melt adhesive weight	26
Membrane thickness (mm)		0.022-0.028
Colour		Unpigmented
Membrane Type		Hydrophilic PU
Temperature resistance of the membrane		>180°C
Breathability (g/sqm/24hr)	ASTM E96: 95 Procedure B	600
	ASTM E96: 95 Procedure BW	16,200
	JIS L1099 A1	>3,000
	JIS L1099 B1	>15,000
Waterproofness (mm)	JIS L1092 B(modified*)	>20,000#
	JIS L1092 A(modified*)	>10,000
Melting point of hot melt adhesive (°C)		125
Hot melt adhesive composition		TPU (Polyurethane)
Recommended use parameters	Use temperature (°C)	145-160
	Ironing pressure (MPa)	0.15-0.2
	Ironing time (s)	15-25



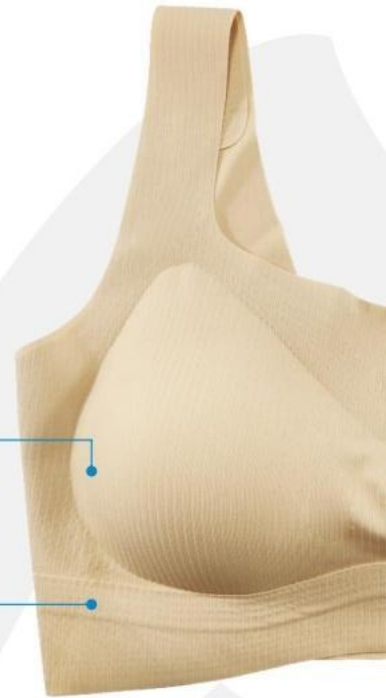


No Seam change lives

服装部位应用无缝工艺简易图



Simple diagram of applying seamless technology to clothing parts



Ultra-thin elastic adhesive film for seamless bra pads

Seamless underwear glued with hot melt adhesive dots



Hot melt glue elastic band and jelly glue perforated film/flat film for waistband of women's leggings

Hot melt adhesive film for fixing and bonding the fishbone part of women's leggings waistband

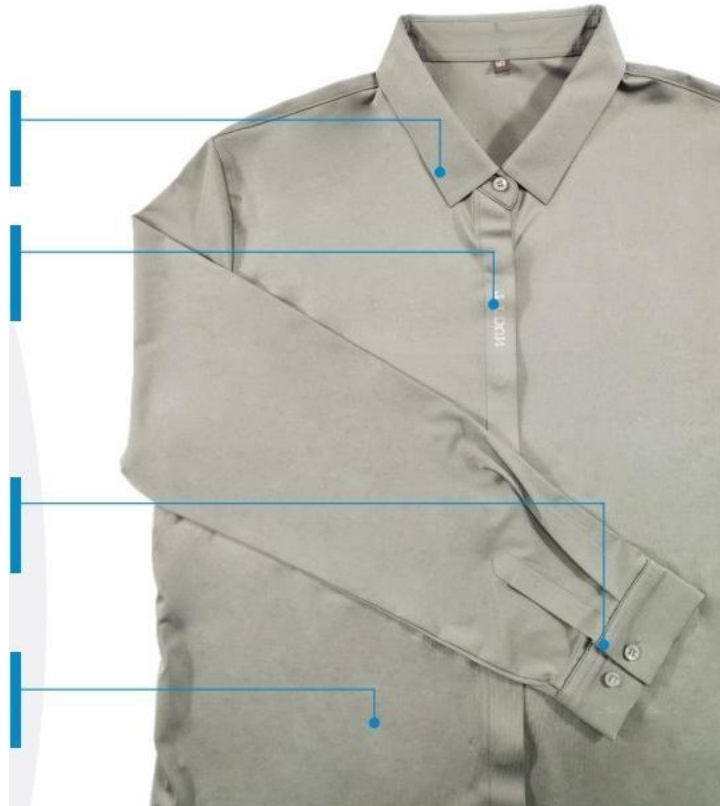


Elastic adhesive film for POLO shirt/shirt collar

Elastic adhesive film for POLO shirt/shirt placket part

Elastic adhesive film for POLO shirt/shirt cuff

Elastic adhesive film for POLO shirt/shirt hem



Reinforcing adhesive film for jacket/down jacket brim

Reinforcement adhesive film for jacket/down jacket placket

Reinforcement adhesive film for jacket/down jacket bag cover



Reinforcing adhesive film for windproof sheet on the back of jacket/down jacket



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