

TWS105 hot melt adhesive web film product introduction and TDS

Introduction to products and uses:

Hot-melt adhesive web film, also called double-sided adhesive interlining, is a non-woven fabric-like hot-melt adhesive product. It has no stickiness at room temperature, but has stickiness on both sides at high temperatures. It can be easily laminated and attached, and it is an environmentally friendly hot melt adhesive.

The composition of the TWS105 hot melt adhesive web film is PES (copolyester), which is similar to polyester. It does not have a backing paper, has a mid-temperature melting point, is inelastic, and has excellent washing resistance. It is more suitable for the bonding of materials such as polyester fabrics, polyester sponges, films and metal sheets, and is widely used in 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 Data Sheet

Product name		Hot melt adhesive web film	
Model		TWS105	
Ingredient		CO-PES (Copolyester)	
Color/shape		White/similar to non-woven fabric	
With release paper		NO	
Melting range (°C)		105-125	
Melt Index (MI) (GB/T 19466.3)		50-100	
Density (g/cm ³) (GB/T13354-1992)		1.1-1.2	
Customizable weight range (gms)		8-120	
Customizable wide range (mm)		5-3260	
Customizable length of each roll (meters)		5-2000	
Recommended use parameters	Use temperature (°C)	125-155	
	Ironing pressure (MPa)	0.1-0.3	
	Ironing time (s)	10-20	
Washability		<input type="checkbox"/> Poor	<input type="checkbox"/> Good <input checked="" type="checkbox"/> Great
Dry cleaning resistance		<input type="checkbox"/> Poor	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Great
Elastic force		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> Great
Characteristic		Breathable; soft	
CAS:		/	
HS code:		3506100090 Adhesives category	
		3506911000 Adhesives category	
		5603929000 Non-woven fabric category	

Product thumbnail:



The conventional length of each roll of different weight products:

TWS105	12gms	1000 M/roll	TWS105	15gms	500 M/roll
TWS105	20gms	500 M/roll	TWS105	25gms	500 M/roll
TWS105	25gms	500 M/roll	TWS105	30gms	500 M/roll
TWS105	40gms	300 M/roll	TWS105	50gms	300 M/roll

Note: The above data is the conventional length of each roll of products with different weights. If you need to customize the length of each roll, please contact us.

Our product quality is more guaranteed:



Environmental protection

The product has passed the SGS RoHS 2.0 test, no over-standard items, no skin irritation, widely used in the field of children's products, and can be exported to Europe, America, Japan, South Korea and other countries.



Manufactured with advanced equipment

Introducing advanced meltblown mechanical equipment concepts, the produced products have better uniformity and easier to test the peel strength. At the same time, the widest width of the product can reach 3.2 meters, and the daily output can reach 90,000 meters.



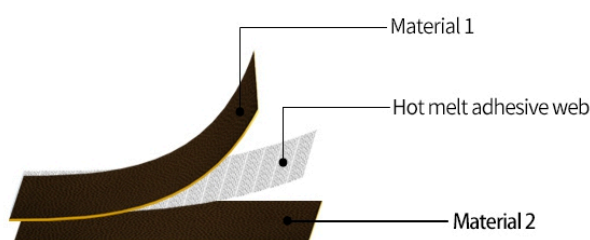
Made of 100% plastic pellets

It is made of 100% original plastic particles, without talcum powder, diluent and powder second-class materials, etc., with stable performance and guaranteed quality. After testing, our 18g product has the same viscosity as a certain company's 25g product.

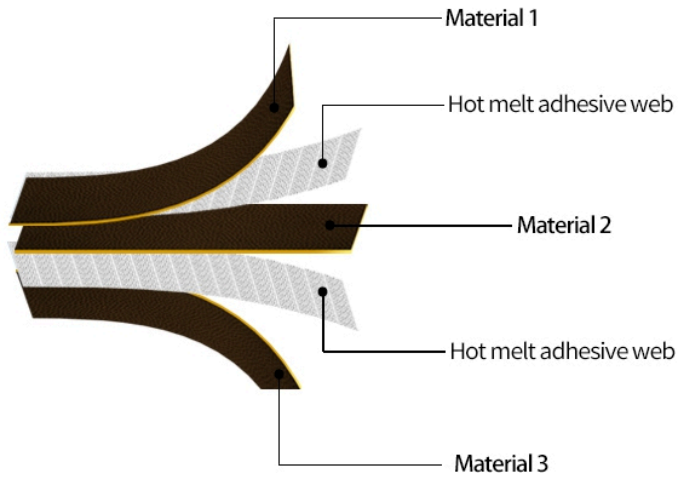
How to use it:

- 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). The pressing temperature is recommended to be around 125-155°C, 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:



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.

Other instructions:



Support non-standard customization

We support non-standard customization, including: width, weight, length of each roll and other items, etc., please refer to the technical table, please contact us for details.



Provide free samples

We can provide a certain number of free samples to facilitate your test, but you need to pay the shipping cost of the order



About packaging

We have a variety of packaging solutions. Usually the packaging used for the entire roll is: PE bag + PE bubble film, and the inner diameter of the paper tube is 76mm. If you need carton packaging and adding marks, please contact us.



Storage environment

Store in a dry place at room temperature and avoid direct sunlight. Theoretically speaking, the product has no shelf life limit, but it is not recommended to leave it for more than 18 months when it is not in use.

KETAEBU

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