

## TWA120H 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 TWA120H hot melt adhesive web film is PA (co-polyamide), which has a mid-temperature melting point and has no elasticity, the color is black. It has a good viscosity and a wide range of applications. It is more suitable for bonding textiles and leather materials. It can also be used to bond paper, sponge, PI film and other materials. It has excellent dry cleaning resistance and can be washed with water. It can be used in clothing, shoes and hats, automotive interiors, home textiles and other fields. Has passed the SGS RoHS 2.0 test.

### 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

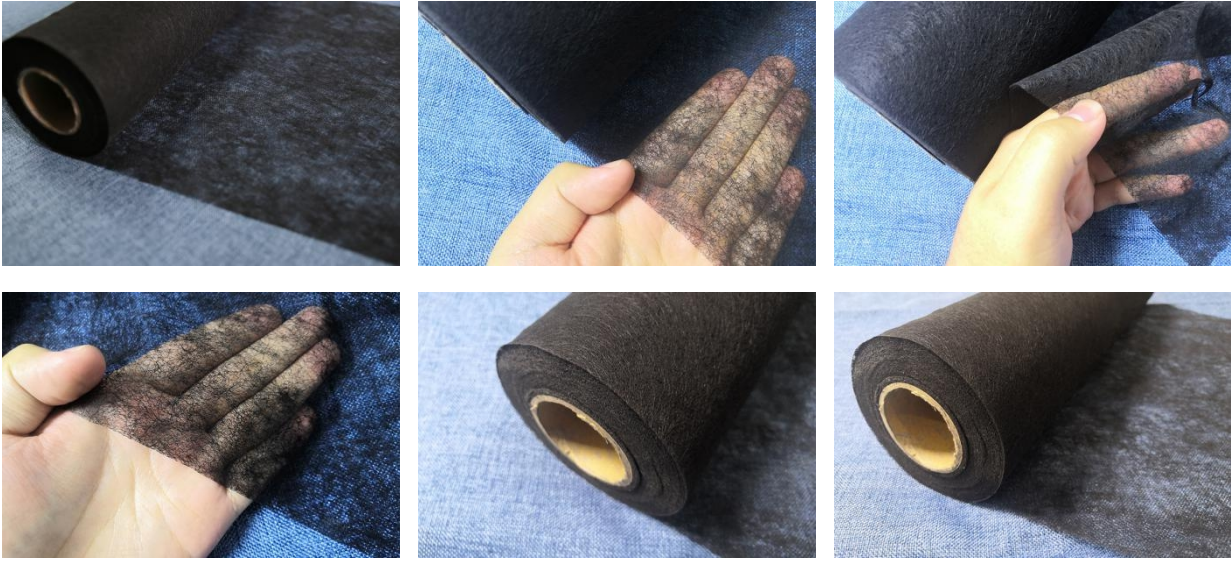
### Characteristic:

- 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 Data Sheet

Product name		Hot melt adhesive web film	
Model		TWA120H	
Ingredient		CO-PA (Copolyamide)	
Color/shape		Black/similar to non-woven fabric	
With release paper		NO	
Melting range (°C)		120-130	
Melt Index (MI) (GB/T 19466.3)		50-90	
Density (g/cm <sup>3</sup> ) (GB/T13354-1992)		1.0-1.1	
Customizable weight range (gms)		5-120	
Customizable wide range (mm)		5-3260	
Customizable length of each roll (meters)		5-2000	
Recommended use parameters	Use temperature (°C)	135-160	
	Ironing pressure (MPa)	0.1-0.3	
	Ironing time (s)	10-20	
Washability		<input type="checkbox"/> Poor	<input checked="" type="checkbox"/> Good <input type="checkbox"/> Great
Dry cleaning resistance		<input type="checkbox"/> Poor	<input type="checkbox"/> Good <input checked="" 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:**

TWA120H	12gms	1000 M/roll	TWA120H	15gms	500 M/roll
TWA120H	20gms	500 M/roll	TWA120H	25gms	500 M/roll
TWA120H	25gms	500 M/roll	TWA120H	30gms	500 M/roll
TWA120H	40gms	300 M/roll	TWA120H	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.



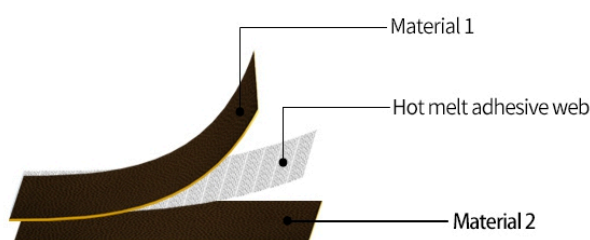
### **Made of 100% plastic pellets**

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.

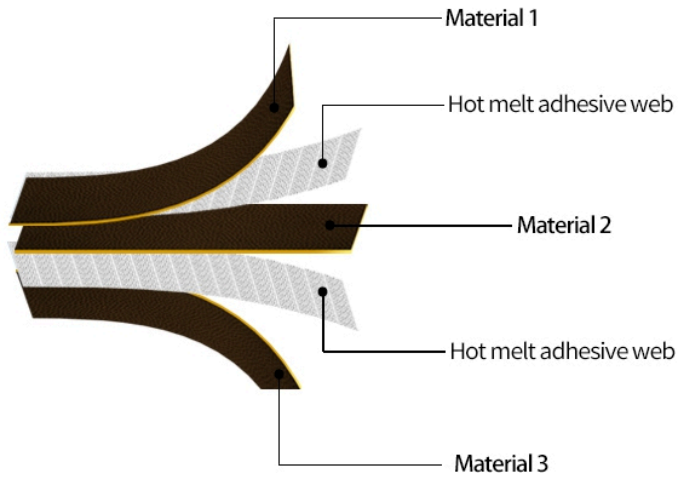
### **How to use it:**

- 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 135-160°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.

KETAEB0

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