

## HJU120 hot melt adhesive film product introduction and TDS

### Introduction to products and uses:

Hot-melt adhesive film, also called hot-melt double-sided adhesive, is a film-like hot-melt adhesive product that has different components and can be easily laminated.

The composition of the HJU120 hot melt adhesive film is TPU (polyurethane), it does not have a backing paper, has a mid-temperature melting point, is soft and elastic, and has good washing resistance. It is more suitable for the bonding of textile fabrics, sponges, leather, TPU films and other materials. It is also one of the most commonly used types of hot melt adhesive films. It is widely used in clothing, shoes, hats, underwear, home textiles, medical and industrial products and other fields. 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 degumming
- Transparent and elastic

### Technical Data Sheet

Product name		Hot melt adhesive film	
Model		HJU120	
Ingredient		TPU (Polyurethane)	
Color/shape		Transparent/film shape	
With release paper		NO	
Melting range (°C)		70-125	
Melt Index g/10min(150°C*2.16kg)		11±3	
Density (g/cm <sup>3</sup> )		1.25±0.05	
Customizable thickness range (mm)		0.02-0.10	
Customizable wide range (mm)		5-1600	
Customizable length of each roll (meters)		5-1000	
Recommended use parameters	Use temperature (°C)	125-150	
	Ironing pressure (MPa)	0.1-0.3	
	Ironing time (s)	10-30	
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 type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> Great
Characteristic		Washable; stretchy	
CAS:		/	
HS code:		3506100090 Adhesives category	
		3920690000 films category	

**Product thumbnail:**



**The conventional length of each roll of different weight products:**

HJU120	0.03mm	500 M/roll	HJU120	0.05mm	500 M/roll
HJU120	0.10mm	500 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 the internationally advanced film blowing process equipment concept, the produced products have better thickness uniformity, which is convenient for testing the peel strength, and the daily output can be as high as 90,000 meters.



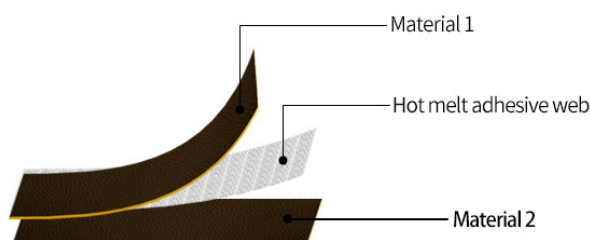
### Made of 100% plastic pellets

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.

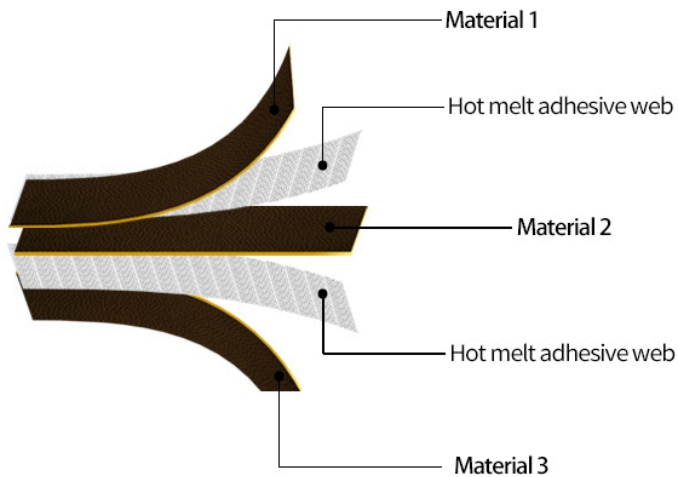
### How to use it:

- 1、 Cut the product into a specific shape according to your needs or use it directly.
- 2、 Place the hot-melt adhesive film between the two layers of materials that need to be bonded.  
The order of placement is: material 1/hot-melt film/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 125-150°C, and the pressing time is 8 to 30 seconds. Conduct heat to the hot-melt 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, thickness, 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.

KETAEBO

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