



广州市好印新材料科技有限公司

Guangzhou Haoyin New Material Technology Co., Ltd.

PA1213 Printable PU Heat Transfer Vinyl

APPROVAL PAGE

Document Date: January 3, 2026

TABLE OF CONTENTS

I. Product Features & Applications

II. Technical Parameters

III. Specifications & Packaging

IV. Storage & Shelf Life

V. Precautions

1、 Publishing Platform: DingTalk

2、 Authorized Access: All staff; Download permission: Department supervisors and above

3、 Implementation & Training: Business Department

4、 Revision Conditions:

A. Process changes; B. Material changes; C. Personnel changes in three-level approval positions

5、 Original Document Archive: General Office Archives

Prepared by: Gong Weibin R&D Center Date: 2026-01-03

Prepared by: Li Jiexiang Marketing Department Date: 2026-01-03

Approved by: Xu Qinghai CEO or Authorized Person Date: 2026-01-03



广州市好印新材料科技有限公司

Guangzhou Haoyin New Material Technology Co., Ltd.

PA1213 Printable PU Heat Transfer Vinyl

TDS--Product Application Information

I. Product Features & Applications

- 1、Benefits: Low-cost DIY solution for garments and accessories. Small-batch customization reduces inventory pressure. Simple operation with elastic soft texture while highlighting personalized patterns.
- 2、Characteristics: PU-type nano-grade coating, hot-melt adhesive with silicone pressure-sensitive adhesive positioning film design. Pattern has re-tack capability during weeding. Washable, soft and highly elastic.
- 3、Advantages: Excellent ink absorption, vibrant colors, no obvious noise points, easy to cut, strong and washable transfer adhesion.
- 4、Applications: Primarily used for garment logos and patterns requiring diverse colors and personalization. Especially suitable for personalized T-shirts, footwear, and headwear. Compatible with laser cutting machines, vinyl cutters, or cold blade tools. Suitable for eco-solvent digital printing equipment such as Roland, MIMAKI print-cut integrated machines.
- 5、Limitations: Manual weeding assistance required, needs positioning film for transfer. Not suitable for rough surfaces (coarse linen, suede leather), special coatings (waterproof coated fabrics), or fabrics containing disperse dyes (without anti-sublimation function). Not suitable for small pattern

II. Technical Parameters

Item	Method/Equipment	Unit	Standard Value	
Thickness	Digital Thickness Gauge	μm	100~140	
Color Difference	Handheld Spectrodensitometer	/	$\Delta E \leq 1.5$	
Abrasion Resistance	Print Ink Rub Tester	%	$\geq 80\%$	
Tensile Properties	Tensile Strength	Electronic Universal Testing Machine	Mpa	> 8
	Elongation at Break	Electronic Universal Testing Machine	%	> 500
	Elastic Modulus	Electronic Universal Testing Machine	Mpa	> 8
Washing ①	4A Standard (50°C water, ~60 min/cycle)	/	++	
Release Force (Before Heat Press)	internal	N/inch	0.1~1.0	
Release Force (After Heat Press) ②	internal	N/inch	/	

Notes: ① One 4A wash cycle is equivalent to approximately 10 regular home washes. Three or more 4A wash cycles = (+++); one 4A wash cycle = (+).

② Heat press parameters: Temperature 150~160° C × Time 10~15 s × Pressure 0.3 MPa (cover with fabric). Test release force after 24 hours at room temperature following heat transfer to fabric.

III. Specifications & Packaging

61 cm × 25 m. Other custom specifications available upon request.

IV. Storage & Shelf Life

- 1、Store in a cool, dry place away from direct sunlight. Avoid high temperatures (above 40° C) and high humidity (above 70% RH).

Address: Room.309, No.9 Shenzhou Road, Huangpu District, Guangzhou, Guangdong Province, China.
Hotline: 020-31701916
gzhayin.com

Email: info@gzhaoyin.com
Postal Code: 510663



广州市好印新材料科技有限公司

Guangzhou Haoyin New Material Technology Co., Ltd.

- 2、 Prevent contact with sharp objects. Reseal unused portions after opening.
- 3、 Shelf life: 12 months under proper packaging and storage conditions. Verify product performance after expiration date before use.

V. Precautions

- 1、 Product data provided for reference only. Users should conduct thorough validation and evaluation of product suitability for specific applications (purpose and conditions) prior to use.
- 2、 For processes, materials, or equipment outside the specified product scope, preliminary testing or consultation with our sales team is recommended to ensure application compatibility.
- 3、 This product disclaimer excludes liability for any incidental or consequential damages.

Address: Room.309, No.9 Shenzhou Road, Huangpu District, Guangzhou, Guangdong Province, China.
Hotline: 020-31701916
gzhayin.com

Email: info@gzhayin.com
Postal Code: 510663