



广州市好印新材料科技有限公司

Guangzhou Haoyin New Material Technology Co., Ltd.

QB01 Series PU Heat Transfer Vinyl

APPROVAL PAGE

Document Date: January 3, 2026

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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

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Date: 2026-01-03

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QB01 Series PU Heat Transfer Vinyl

TDS--Product Application Information

I. Product Features & Applications

- 1、Benefits: Economical product for low-cost rapid pattern customization, suitable for mass production line manufacturing, soft to moderately firm texture, washable and wear-resistant, environmentally safe and odorless.
- 2、Characteristics: Economy-grade PU heat transfer vinyl with release film design, washable, low elasticity. Available in various colors; refer to factory product codes and color charts for details.
- 3、Advantages: Release base material design for easy peeling from substrate. Stable and moderate release force between release film and color layer. No re-tack effect after waste removal. Easy to cut (smooth edges without burrs), easy to weed (minimal difference in release force before and after heat pressing).
- 4、Applications: Primarily used for garments, footwear, headwear, bags, and luggage. Suitable for pure cotton, light-colored synthetic fabrics, and blended materials. Compatible with vinyl cutters or cold blade tools. Suitable for large patterns and fine line patterns ($\geq 1.5\text{mm}$).
- 5、Limitations: Not suitable for high-elasticity fabrics (swimwear, Lycra), rough surfaces (coarse linen, suede leather), special coatings (waterproof coated fabrics), or dark fabrics containing disperse dyes (without anti-sublimation function). Not suitable for laser cutting.

II. Technical Parameters

Item	Method/Equipment	Unit	Standard Value	
Thickness	Digital Thickness Gauge	μm	80~110	
Color Difference	Handheld Spectrodensitometer	/	$\Delta E \leq 6$	
Abrasion Resistance	Print Ink Rub Tester	%	≥ 80	
Tensile Properties	Tensile Strength	Electronic Universal Testing Machine	MPa	> 10
	Elongation at Break	Electronic Universal Testing Machine	%	> 500
	Elastic Modulus	Electronic Universal Testing Machine	MPa	> 100
Washing ①	4A 标准 (50°水温、约 60 分钟/次)	/	+	
Release Force (Before Heat Press)	internal	N/inch	0.5~3.5	
Release Force (After Heat Press) ②	internal	N/inch	0.2~3.5	

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. Test release force after 24 hours at room temperature following heat transfer to fabric.

III. Specifications & Packaging

61 cm × 25 m, 50 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).

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- 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.

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