



广州市好印新材料科技有限公司

Guangzhou Haoyin New Material Technology Co., Ltd.

PA30 Series Digital Printable Heat Transfer Vinyl

APPROVAL PAGE

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TDS--Product Application Information

I. Product Features & Applications

- 1、 Benefits: Combined with UV printing technology, perfectly solves traditional 3D labels' problems of "high cost for small batches, weak customization, and long production cycles." Suitable for wider application scenarios. Full-color fine patterns + 3D tactile feel, with visual effects superior to traditional 3D labels.
- 2、 Characteristics: Material mainly PU and TPU, soft and elastic.
- 3、 Advantages: Compatible with UV printing, supports CMYK + White Ink + Varnish full-color output. Can accurately reproduce various pattern details with high color saturation.
- 4、 Applications: Suitable for textile fabrics and leather. Alternative to screen-printed labels and drip-on plastic labels. Suitable for laser cutting.
- 5、 Limitations: Not suitable for blade cutting. Pay attention to selecting compatible UV inks. Best results achieved with QINGYI UV inks.

II. Technical Parameters

Test Item	Method/Equipment	Unit	Standard Value
Thickness	Digital Thickness Gauge	μm	300μm±20
Color Difference (Same Batch)	Handheld Spectrodensitometer	/	ΔE<1.5
Peel Force	internal	N/inch	0.1~2.5
Clarity	Visual Inspection	/	Clear and complete heat transfer, no burrs, hollows, delamination, or overflow
Abrasion Resistance	Print Ink Rub Tester	%	≥80
Wash Resistance	4A Standard, 3 cycles	/	No bubbles, delamination, shrinkage, or cracking; color fading rate ≤15%

Recommended Heat Press Conditions:

1. Temperature 140°C~160°C, Time 15~20s, Pressure 3.0 kgf/cm². Cover pattern with fabric or release paper/film during transfer.
2. Different equipment may vary; actual testing required for confirmation.

Note: Peel force refers to the separation force between color layer and adhesive film before heat pressing.

III. Specifications & Packaging

Standard size: 60 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).
- 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.

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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、 Wrinkles, dirt, dust, and moisture on the substrate surface may affect transfer results. Clean and iron the surface before use.
- 3、 This product disclaimer excludes liability for any incidental or consequential damages.

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