



广州市好印新材料科技有限公司

Guangzhou Haoyin New Material Technology Co., Ltd.

QH55 Series PU Puff 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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TDS--Product Application Information

I. Product Features & Applications

- 1、 Benefits: Water-based eco-friendly PU coating, safe and non-toxic. Moderate heat transfer temperature with smooth and natural puff expansion curvature.
- 2、 Characteristics: High-transparency PET film as base material, organic silicone as positioning adhesive release layer. Available in white, black, red, yellow, and other colors.
- 3、 Advantages: Stable release force without residue, easy to cut (100 μm PET release film), easy to weed.
- 4、 Applications: Suitable for DIY textile applications such as T-shirts, sweatshirts, and other garment products. Compatible with vinyl cutters and laser marking machines for cutting.
- 5、 Limitations: Pre-testing required to determine optimal transfer pressure, temperature, and time to avoid unsatisfactory puff effect. Recommended transfer temperature: 130~150° C.

II. Technical Parameters

Item	Method/Equipment	Unit	Standard Value
Effective Thickness	Digital Thickness Gauge	μm	160 ~ 200
Color Difference (Same Batch)	Handheld Spectrodensitometer	/	$\Delta E \leq 4$
Peel Force	internal	N/inch	0.8 ~ 3.0
Self-tear Release Force ①	internal	N/inch	< 0.1
Washing	Home Washing Machine, Cold Water, 30 min	次	5+

Notes:①Self-tear release force refers to the release force of peeling the adhesive release film from the PU puff heat transfer vinyl after heat transfer expansion.

III. Specifications & Packaging

30.5 cm × 50 m, 61 cm × 50 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.

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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