



广州市好印新材料科技有限公司

Guangzhou Haoyin New Material Technology Co., Ltd.

QC03 Series PVC Heat Transfer Vinyl

APPROVAL PAGE

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QC03 Series PVC Heat Transfer Vinyl

TDS -- Product Application Information

I. Product Features & Applications

- 1、Benefits: Cost-effective compared to Q6-2 heat transfer vinyl. Patterns remain clear long-term without peeling or fading. Full hand feel enhances texture quality. Suitable for small-batch customization.
- 2、Characteristics: Non-toxic PVC material with silicone positioning film design, low elasticity. Available in various colors; refer to factory product codes and color charts for details.
- 3、Advantages: Positioning film adopts silicone pressure-sensitive adhesive; pattern can re-tack during weeding. Easy to cut (smooth edges without burrs), easy to weed (minimal difference between peel force before heat press and release force after heat press). Anti-stretch with no deformation after heat pressing. Glossy surface effect with strong adhesion and washability after transfer.
- 4、Applications: Primarily used for garments, shoes, bags, and other textile fabrics. Suitable for pure cotton, luggage, footwear, and headwear textile 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 requirements (such as sportswear, Lycra fabrics), natural or synthetic leather, special coatings (low surface energy), dark fabrics containing disperse dyes (without anti-sublimation function), or infant and children's clothing. Not suitable for laser cutting.

II. Technical Parameters

Item	Method/Equipment	Unit	Standard Value	
Thickness	Digital Thickness Gauge	μm	110~140	
Color Difference	Handheld Spectrodensitometer	/	$\Delta E \leq 4$	
Abrasion Resistance	Print Ink Rub Tester	%	≥ 80	
Tensile Properties	Tensile Strength	Electronic Universal Testing Machine	MPa	> 10
	Elongation at Break	Electronic Universal Testing Machine	%	> 200
	Elastic Modulus	Electronic Universal Testing Machine	MPa	> 80
Washing ①	4A Standard (50°C water, ~60 min/cycle)	/	++	
Peel 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. 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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