



广州市好印新材料科技有限公司

Guangzhou Haoyin New Material Technology Co., Ltd.

QG0375 Bright Silver Micro-Elastic Self-Adhesive Reflective Heat Transfer Vinyl

APPROVAL PAGE

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TDS--Product Application Information

I. Product Features & Applications

- 1、Benefits: High reflectivity with significant night-time reflective effect, safe and environmentally friendly.
- 2、Characteristics: Premium backing adhesive and high-reflectivity materials, safe and eco-friendly raw materials, uniform film layer structure, moderate thickness, micro-elastic adhesive type.
- 3、Advantages: High reflectivity meeting most reflective safety regulations, easy to cut, easy to weed, strong adhesion, repositionable, washable.
- 4、Applications: Sanitation workwear, reflective vests, construction warning clothing, outdoor tents, backpacks, and other outdoor work safety applications. Personalized DIY apparel processing. Compatible with vinyl cutters or cold blade tools.
- 5、Limitations: Not suitable for special coatings (Low Surface Energy, LSE) or dark fabrics containing disperse dyes (without anti-sublimation function).

II. Technical Parameters

Item	Method/Equipment	Unit	Standard Value
Thickness	Digital Thickness Gauge	μm	150~180
Color Difference	Handheld Spectrodensitomete	/	$\Delta E \leq 3$
Abrasion Resistance	Print Ink Rub Tester	%	≥ 90
Reflectivity	Retroreflection Coefficient Tester	cd/1x.m ²	> 380
Washing ①	4A Standard (50°C water, ~60 min/cycle)	/	+++
Peel Force (Before Heat Press)	internal	N/inch	0.2~1.0
Release Force (After Heat Press) ②	internal	N/inch	0.1~1.0

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 135~145° C × Time 8~10 s × Pressure 0.3 MPa. Test release force after 24 hours at room temperature following heat transfer to fabric.

III. Specifications & Packaging

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、 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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