



QG0275 Bright Silver Micro-Elastic Reflective Heat Transfer Vinyl

APPROVAL PAGE

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广州市好印新材料科技有限公司

Guangzhou Haoyin New Material Technology Co., Ltd.

QG0275 Bright Silver Micro-Elastic Reflective Heat Transfer Vinyl

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 release type.
- 3、 Advantages: High reflectivity meeting most reflective safety regulations, easy to cut, easy to weed, strong adhesion, washable.
- 4、 Applications: Sanitation workwear, reflective vests, construction warning clothing, outdoor tents, backpacks, and other outdoor work safety applications. Personalized DIY apparel with strip patterns without hollow designs. Compatible with vinyl cutters or cold blade tools.
- 5、 Limitations: Not suitable for long-pile fabrics to avoid "fabric biting" phenomenon. For such applications, our self-adhesive series products are recommended.

II. Technical Parameters

Item	Method/Equipment	Unit	Standard Value
Thickness	Digital Thickness Gauge	μm	150~180
Color Difference	Handheld Spectrodensitometer	/	$\Delta E \leq 3$
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	4.0~7.0
Release Force (After Heat Press) ②	internal	N/inch	1.5~5.0

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.
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- 3、 This product disclaimer excludes liability for any incidental or consequential damages.