



RB-8511A Heat Transfer PET Release Film

APPROVAL PAGE

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TABLE OF CONTENTS

I. Product Features & Applications

II. Technical Parameters

III. Specifications & Packaging

IV. Storage & Shelf Life

V. Precautions

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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.

RB-8511A Heat Transfer PET Release Film

TDS -- Product Application Information

I. Product Features & Applications

● **Benefits:**

1、Excellent heat resistance with minimal deformation, can solve the problems of inaccurate printing positioning and printing accuracy.

2、Non-printing side features anti-blocking coating to prevent adhesion during long-distance transportation and pressure, reducing your costs.

3、Product tested by third-party institutions: EN71-3 (19 specific element migration tests) and REACH (253 substance tests).

4、Cold peel type, screen printing dedicated economical option with high cost-performance ratio.

● **Applications:**

1、Compatible with various screen printing equipment including roll-to-roll equipment, automatic/semi-automatic machines, and gravure printing.

2、Suitable for various screen printing inks: oil-based inks, water-based inks, adhesive processes, and powder scattering processes.

3、Used for digital number labels, shoe tongue labels, and high-coverage transfers for coarse fabric textures.

● **Advantages:**

1、Standardized with data-driven quality control; each process follows standard testing with final inspection; edge coding for traceability ensures stable production quality and full traceability.

2、Medium release force suitable for medium-sized patterns.

● **Characteristics:**

1、Premium BOPET (biaxially oriented polyethylene terephthalate) film substrate with excellent heat resistance and low shrinkage: MD < 2.5%; TD < 0.2% per standard testing.

2、Manufactured with globally top-tier silicone materials in cleanroom environment through multi-layer micro-gravure high-precision coating; single-sided matte/glossy anti-blocking back coating.

● **Caution:**① Not suitable for wash care labels with fine lines. ② Not compatible with silicone ink printing.



II. Technical Parameters

Item		Method/Equipment	Unit	Standard Value
Surface Gloss		GB/T 9754 / Gloss Meter	GU	5.0~10.0
Back Surface Resistance		ASTM D257 / High Resistance Tester	Ω/\square	$\leq 1.0 \times 10^{10}$
Back Release Force		FINAT 10	N/inch	0.5~6.0
Pre-heat Surface Release Force		FINAT 10	N/inch	0.05~2.5
Post-heat Surface Release Force		internal	N/inch	0.05~0.8
Surface Tension		Dyne Pen	dyn/cm	≥ 31
Friction Coefficient	Dynamic	Friction Coefficient Tester	/	0.5~2.5
	Static		/	0.5~2.5
Heat Transfer Temperature		Industrial Heat Press	$^{\circ}\text{C}$	130~160
Heat Transfer Time		Industrial Heat Press	s	6~15
Heat Transfer Pressure		Industrial Heat Press	kgf/cm ²	2.5kgf/cm ²
Peel Method		/	/	Cold Peel

III. Specifications & Packaging

- 1、Product Thickness: 75 μm and 100 μm are standard stock specifications.
- 2、Product Dimensions: 39 cm \times 54 cm, 48 cm \times 64 cm, and 50 cm \times 70 cm are standard stock specifications.
- 3、Standard Packaging: 300 sheets/bag, 600 sheets/carton, 400 sheets/bag, 800 sheets/carton, 500 sheets/bag, 1000 sheets/carton
- 4、Custom specifications available for different thicknesses, dimensions, or packaging.

IV. Storage & Shelf Life

- 1、Store in a cool, dry place away from direct sunlight, high temperature (above 40 $^{\circ}$ C), and high humidity (above 70% RH).
- 2、Avoid contact with sharp objects. Reseal unused portions after opening.
- 3、Shelf life is 12 months under proper packaging and storage conditions. Products beyond shelf life should be fully validated and tested before use.



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V. Precautions

- 1、 Product data is provided for reference only. Users should conduct thorough validation and evaluation of product suitability for intended use (purpose and conditions) prior to application.
- 2、 If different processes, materials or equipment are used beyond the scope of the product, please conduct testing first or consult with our sales team to ensure suitability for intended use.
- 3、 This product disclaimer excludes liability for any incidental or consequential damages.