



RA-8312A Heat Transfer PET Release Film

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.

RA-8312A 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).

● Applications:

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

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

3、Used for heat transfer printing, puff transfers, glitter transfers, and wash care label transfers.

● 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、Moderate release force suitable for various colors and pattern sizes (e.g., small English letters, wash care labels) without detachment.

3、Additional anti-static coating on printing surface eliminates printing quality issues caused by static electricity.

● 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 high-precision wax materials in cleanroom environment through multi-layer micro-gravure high-precision coating; single-sided matte/glossy anti-blocking back coating.

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- **Caution:** Pay attention to the proportion of **isophorone** when diluting inks.

II. Technical Parameters

Item	Method/Equipment	Unit	Standard Value	
Surface Gloss	GB/T 9754 / Gloss Meter	GU	10.0~30.0	
Back Surface Resistance	ASTM D257 / High Resistance Tester	Ω/\square	$\leq 1.0 \times 10^{10}$	
Printing Surface Resistance	ASTM D257 / High Resistance Tester	Ω/\square	$\leq 1.0 \times 10^9$	
Back Release Force	FINAT 10	N/inch	1~6	
Surface Release Force	FINAT 10	N/inch	1~6	
Surface Tension	Dyne Pen	dyn/cm	≥ 30	
Friction Coefficient	Friction Coefficient Tester	Dynamic	/	0.5~3.0
		Static	/	0.5~3.0
Heat Transfer Temperature	Industrial Heat Pres	$^{\circ}\text{C}$	130~160	
Heat Transfer Time	Industrial Heat Pres	s	6~15	
Heat Transfer Pressure	Industrial Heat Pres	kgf/cm^2	$2.5\text{kgf}/\text{cm}^2$	
Peel Method	/	/	Hot 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°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



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fully validated and tested before use.

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.

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