



## RC-8801A Heat Transfer PET Release Film

### APPROVAL PAGE

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Prepared by: Jiang Xincheng Business Department Date: 2026-01-03

Reviewed by: Li Jiexiang Marketing Department Date: 2026-01-03

Approved by: Xu Qinghai CEO or Authorized Person Date: 2026-01-03



## RC-8801A 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、Flexible peel options—hot peel for semi-gloss finish, cold peel for matte finish based on application requirements.
- 5、Screen printing dedicated most economical option.

#### ● Applications:

- 1、Compatible with various screen printing equipment including 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, and adhesive processes.
- 3、Used for plastisol transfers, 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、Extra loose release force compared to RC-88012-2 product, suitable for various colors and pattern sizes (e.g., small English letters, wash care labels) without detachment.

#### ● 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 and silicone materials in cleanroom environment through



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multi-layer micro-gravure high-precision coating; single-sided matte/glossy anti-blocking back coating.

- **Caution:** ① Not recommended for powder scattering process. ② Finished transfers should be protected from moisture and contact to prevent wrinkling and bubbling.

### II. Technical Parameters

Item	Method/Equipment	Unit	Standard Value	
Surface Gloss	GB/T 9754 / Gloss Meter	GU	5.0~20.0	
Back Surface Resistance	ASTM D257 / High Resistance Tester	Ω/□	≤1.0*10 <sup>10</sup>	
Back Release Force	FINAT 10	N/inch	2~5.0	
Pre-heat Surface Release Force	FINAT 10	N/inch	0.1~1.0	
Post-heat Surface Release Force	internal	N/inch	0.05~0.8	
Surface Tension	Friction Coefficient Tester	dyn/cm	≥28	
Friction Coefficient	Dynamic	Industrial Heat Press	/	0.5~2.5
	Static		/	0.5~2.5
Heat Transfer Temperature	Industrial Heat Press	°C	130~160	
Heat Transfer Time	Industrial Heat Press	s	6~15	
Heat Transfer Pressure	Friction Coefficient Tester	kgf/cm <sup>2</sup>	2.5kgf/cm <sup>2</sup>	
Peel Method	/	/	Instant/hot/cold peel	

### III. Specifications & Packaging

- 1、Product Thickness: 75 μm and 100 μm are standard stock specifications.
- 2、Product Dimensions: 39 cm × 54 cm, 48 cm × 64 cm, and 50 cm × 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

Address: Room.309, No.9 Shenzhou Road, Huangpu District, Guangzhou, Guangdong Province, China.  
Hotline: 020-31701916  
gzhayin.com

Email: info@gzhaoyin.com  
Postal Code: 510663



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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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