



## RF-8631A Heat Transfer PET Release Film

### APPROVAL PAGE

Document Date: January 03, 2026

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- 1、 Publishing Platform: DingTalk
- 2、 Authorized Access: All staff; Download permission: Department supervisors and above
- 3、 Implementation & Training: Business Department
- 4、 Revision Conditions:
  - A. Process changes; B. Material changes; C. Personnel changes in three-level approval positions
- 5、 Original Document Archive: General Office Archives

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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.

## RF-8631A Heat Transfer PET Release Film

TDS -- Product Application Information

### I. Product Features & Applications

#### ● Benefits:

1、The 100 thick release film offers excellent temperature and minimal deformation, effectively resolving issues with 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 screen printing equipment including roll-to-roll equipment, automatic/semi-automatic machines.

2、Suitable for silicone inks in screen printing, adhesive or powder scattering processes.

3、Used for LOGO 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.

3、Imported non-silicone release material with uniform coating and stable release performance.

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

● **Caution:** For thick silicone patterns, recommend heat pressing both front and back sides.



## II. Technical Parameters

| Item                            | Method/Equipment                   | Unit                | Standard Value         |
|---------------------------------|------------------------------------|---------------------|------------------------|
| Surface Gloss                   | GB/T 9754 / Gloss Meter            | GU                  | 5.0~15.0               |
| Resistance                      | ASTM D257 / High Resistance Tester | Ω/□                 | -                      |
| Back Release Force              | FINAT 10                           | N/inch              | 1~4                    |
| Pre-heat Surface Release Force  | FINAT 10                           | N/inch              | 0.05~1                 |
| Post-heat Surface Release Force | internal                           | N/inch              | 0.05~0.8               |
| Surface Tension                 | Dyne Pen                           | dyn/cm              | ≤28                    |
| Friction Coefficient            | Friction Coefficient Tester        | Dynamic             | 0.3~3.0                |
|                                 |                                    | Static              | 0.3~3.0                |
| Heat Transfer Temperature       | Industrial Heat Press              | °C                  | 130~160                |
| Heat Transfer Time              | Industrial Heat Press              | s                   | 6~15                   |
| Heat Transfer Pressure          | Industrial Heat Press              | kgf/cm <sup>2</sup> | 2.5kgf/cm <sup>2</sup> |
| Peel Method                     | /                                  | /                   | Cold Peel              |

## III. Specifications & Packaging

- 1、Product Thickness: 100 μm is the standard stock specification.
- 2、Product Dimensions: 39 cm × 54 cm and 39 cm × 27 cm are standard stock specifications.
- 3、Standard Packaging: 300 sheets/bag, 600 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 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.