



## RH-8951A 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.

**RH-8951A 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、Specifically developed for HP Indigo printing equipment.

**Applications:**

- 1、Compatible with HP/screen printing equipment including Indigo equipment, roll-to-roll equipment, automatic/semi-automatic machines, and gravure printing.
- 2、Suitable for HP/screen printing inks and processes: Indigo-specific inks, screen printing oil-based inks, water-based inks, powder scattering or 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、Moderate release force 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 materials plus electronic ink absorption layer in cleanroom environment through multi-layer micro-gravure high-precision coating; single-sided matte/glossy anti-blocking back coating.

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

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## 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 | $\Omega/\square$         | $\leq 1.0 \times 10^{10}$   |         |
| Back Release Force           | FINAT 10                           | N/inch                   | 1~6                         |         |
| <b>Surface Release Force</b> | FINAT 10                           | N/inch                   | 2~9                         |         |
| Surface Release Force        | FINAT 10                           | dyn/cm                   | $\geq 30$                   |         |
| Surface Tension              | Dyne Pen                           | /                        | 0.5~3.0                     |         |
| Friction Coefficient         | Friction Coefficient Tester        | Dynamic                  | /                           | 0.5~3.0 |
|                              |                                    | Static                   | $^{\circ}\text{C}$          | 130~160 |
| Heat Transfer Temperature    | Industrial Heat Pres               | s                        | 6~15                        |         |
| Heat Transfer Time           | Industrial Heat Pres               | $\text{kgf}/\text{cm}^2$ | $2.5\text{kgf}/\text{cm}^2$ |         |
| Heat Transfer Pressure       | Industrial Heat Pres               | /                        | Hot Peel                    |         |

## III. Specifications & Packaging

1. Product Thickness: 75  $\mu\text{m}$  and 100  $\mu\text{m}$  are standard stock specifications.
2. Product Dimensions: 48 cm  $\times$  32 cm is the standard stock specification.
3. Standard Packaging: 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.