



广州市好印新材料科技有限公司

Guangzhou Haoyin New Material Technology Co., Ltd.

RD-8744B Arbitrary Peel Digital Printing Film

APPROVAL PAGE

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Prepared by: Li Jiexiang Development Department III 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



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TDS--Product Application Information

I. Product Features & Applications

- 1、Benefits: A cost-effective solution among multi-coating products, compatible with various production processes.
- 2、Characteristics: Manufactured using high-quality PET substrate with multi-pass coating process; double-sided matte finish.
- 3、Advantages: Excellent moisture resistance, vibrant colors, minimal oil/water bleeding, good powder removal properties, supports arbitrary peeling with flexible release options (hot peel, warm peel, cold peel).
- 4、Applications: Particularly suitable for high-humidity regions year-round or applications with special moisture-proof requirements.
- 5、Caution: For extremely dry areas (humidity <35%), please conduct actual testing and evaluation before use.
When adapting to different fabrics or substrates, careful selection of hot-melt powder is required

II. Technical Parameters

Test Item	Method/Equipment	Unit	Standard Value
Gloss	Gloss Meter	Gu	4~9
Print Surface Resistance	High Resistance Tester	Ω/\square	$10^9\sim 10^{13}$
Ink Absorption	Qingyi 4-head White Ink Printer	Percentage of white ink	$\geq 85\%$, no bleeding or pooling
Powder Shaking	Visual Inspection	/	No powder adhesion on pattern edges or blank areas
Pattern Appearance	Visual Inspection	/	Bright and pure colors, good saturation, no snowflake spots or other defects
Heat Transfer Performance	Visual Inspection	/	Hot peel (3 sec), no coating transfer failure or chipping.

Operating Guidelines:

- 1、Heat Press Conditions: Temperature 140–160°C, Time 5–8 sec, Pressure 2.5 kgf/cm²
- 2、Printing Parameters: Feed Section(In/Out) 40–45°C; Pre-oven heating plate 70–80°C
- 3、Curing Conditions: Curing temperature 135–145°C; adjustable within range based on actual print speed; ensure exhaust system is functioning properly

The above data is obtained under laboratory test conditions for reference only.

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

Email: info@gzhaoyin.com
Postal Code: 510663



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III. Specifications & Packaging

Standard Stock: Width 60 cm × Length 100 m/roll, 60 m²/roll, 2 boxes/case. Custom specifications available upon request.

IV. Storage & Shelf Life

- 1、 Store in a cool, dry place protect from direct sunlight, high temperature (above 40° C), and high humidity (above 70% RH).
- 2、 Avoid contact with sharp objects. Close lid tightly after opening to prevent exposure to air and contaminants.
- 3、 Shelf life is 12 months under proper packaging and storage conditions. Products beyond shelf life should be 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、 In no event shall QINGYI be liable for any incidental or consequential damages.

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