

# D110A

(For Flat Head & Near Edge Printers)

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## Thermal Transfer Ribbon Product Information

Last update:  
Sep. 2024  
Ref: PS-1794 (Rev. 4)

### RESIN SPECIALTY (For Textile Applications)

#### RIBBON PROPERTY

- Base Material Polyester film
- Base Thickness ( $\mu\text{m}$ )  $4.5 \pm 0.4$

#### INK PROPERTY

- Ink Color Black
- Ink Transparency More than 0.65 ~ 1.65

#### PRINTING PROPERTY

- Image Density  
Min. 0.8 (polyester)  
Min 1.0 (acetate)
- Image Resolution Min. 1.2 (nylon)  
Min. ANSI B

#### IMAGE DURABILITY

- Ironing Resistance GD max. 0.07 (direct, covered with cloth)
- Smear Resistance (dry, wet) GD max. 0.07 (direct, covered with cloth)
- Washing Resistance (water) ID min 1.0 min. ANSI B (nylon)  
ID min 0.6 (polyester)  
ID min 0.7 (acetate)
- Washing Resistance (dry) ID min 1.0 min. ANSI B (nylon)  
ID min 0.6 (polyester)  
ID min 0.7 (acetate)
- Bleach Resistance ID min 1.0 min. ANSI B (nylon)  
ID min 0.6 (polyester)  
ID min 0.8 (acetate)
- Sweat Resistance ID min 1.0 min. ANSI B (nylon)  
ID min 0.6 (polyester)  
ID min 0.8 (acetate)

ID(GD): The differences in image (ground) density resulting from the "before test" and "after test"  
*\*All tests specifications are based on Ricoh's standard test methods.*

#### USAGE ENVIRONMENT:

5 ~ 35°C (41 ~ 95°F), 30 ~ 85%RH

#### STORAGE CONDITIONS:

Keep indoors, away from high temperatures, high humidity and direct sunlight. Keep master rolls hanging horizontally.

#### GUARANTEE PERIOD:

\*Finished rolls: 4 years after manufacturing

#### FEATURES:

- Printable on receiving cloths (nylon, polyester and acetate) and films
- Super smear resistance up to 150°C (302°F); no blurring of image occurs from ironing
- Print images are highly durable against water and dry cleaning
- Superior thermal head matching qualities using Ricoh's unique back-side coating

*The above data represents product averages, allowing for industry accepted variances. These products should be tested in the end-use conditions to ensure that they meet the requirements of the specific application. Specifications may change without notice.*

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