

## Thermal Transfer Ribbon Product Information

Last update:  
Aug. 2016  
Ref: PS-1794 (Rev. 2)

### 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. 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: 2 years after manufacturing
- \*Master rolls: 1 year after coating

#### 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.*

RICOH ELECTRONICS, INC. DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IN CONNECTION WITH THE CUSTOMER'S PURCHASE OF OUR PRODUCTS. IT IS CUSTOMER'S SOLE AND EXCLUSIVE RESPONSIBILITY TO TEST AND ENSURE SUITABILITY OF OUR PRODUCTS FOR ITS CUSTOMERS' OR END-USER'S APPLICATION.