

# Ricoh Electronics, Inc.

2320 Red Hill Ave., Santa Ana, CA 92705  
1125 Hurricane Shoals Rd., Lawrenceville, GA 30043  
Customer Service 1 (800) 843-7058  
Toll-Free Fax 1 (888) 843-7059  
e-mail: orders@rei.ricoh.com  
http://www.rei.ricoh.com

# RICOH

## THERMAL TRANSFER RIBBON PRODUCT INFORMATION

# D110C

(For Flat Head Printers)

**SPECIALTY  
RESIN**  
(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

### IMAGE PROPERTY

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

### IMAGE DURABILITY

- Ironing resistance: GD max. 0.07 (printing cloth ground, covered cloth ground)
- Smear resistance (wet): No damage of the image, does ink transfer
- Washing resistance (water 5 times): ID min. 1.20 (nylon)  
ID min. 0.95 (polyester)  
ID min. 0.75 (acetate)
- Washing resistance (dry 5 times): ID min. 1.25 (nylon)  
ID min. 1.20 (polyester)  
ID min. 1.00 (acetate)
- Bleach resistance: ID min. 1.50 (nylon)  
ID min. 1.25 (polyester)  
ID min. 1.10 (acetate)
- Sweat resistance: ID min. 1.40 (nylon)  
ID min. 1.20 (polyester)  
ID min. 1.00 (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
- \* 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 insure that they meet the requirements of the specific application. Specifications may change without notice.*