

# 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](mailto:orders@rei.ricoh.com)  
<http://www.rei.ricoh.com>

# RICOH

## THERMAL TRANSFER RIBBON PRODUCT INFORMATION

# B110C

(For Flat Head Printers)

RESIN  
SUPER  
SMEARLESS

### RIBBON PROPERTY

• Base Material	Polyester film
• Base Thickness (μm)	4.5 ± 0.4

### INK PROPERTY

• Ink Color	Black
• Transmission Density	Min. 0.65

### IMAGE PROPERTY

• Scratch resistance (times)	Min. 1850	
• Light resistance (ANSI)	Min. 3.5 A	
• Water resistance (ANSI)	Min. 3.5 A	
• Chemical resistance (times)	<White PET>	<Silver PET>
Ethanol	Min. 150	Min. 1000
Kerosene	Min. 100	Min. 2000
Engine oil	Min. 2000	Min. 2000
Gasoline	Min. 160	Min. 1000
Hexane	Min. 1500	Min. 2000

### OTHERS

• Preservability:	Image property remains and free from blocking even after 72 hours at 40°C preservation.
-------------------	---

\* All tests in this specification are done by Ricoh standard test methods.

**USAGE ENVIRONMENT:** 5 ~ 35°C (41 ~ 95°F), 30 ~ 85%RH

**STORAGE CONDITIONS:** Keep indoor, avoiding high temperature (such as beside heat source), high humidity, and direct sunlight. As for master rolls, keep them horizontally hanging.

### GUARANTEE PERIOD:

\* Finished rolls: 4 years after manufacturing  
\* Master rolls : 1 year after coating

### FEATURES:

1. High sensitivity for high-speed printing (~4"/sec.) with assurance of consistently high printing quality.
2. Super smear resistance at temperatures as high as 100°C (212°F).
3. Superior solvents resistance (alcohol, petrol, kerosene, brake fluid, engine oil, car wax, halide solvents, etc.)
4. Special back coating for reliable and superior matching with thermal print head.
5. UL recognized with various printers and films.

*The above data represent 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.*