

# D110A

Flat Head

Near Edge

Resin

Black



D110A Thermal Transfer Ribbon

## FEATURES

- Printing on receiving cloths (nylon, polyester, acetate).
- Superior ironing resistance at temperature up to 150°C .
- Durable printing image against water washing, dry cleaning, stone wash & chemical washing.
- Ricoh's unique coating on the back allows reliable and superior matching qualities with the thermal head.

## APPLICATION AREAS



Care Labels

## RIBBON ALSO AVAILABLE IN:



Blue: D210A



Red: D310A

## GENERAL CONDITIONS

**Usage conditions:** 5 to 35°C at 30 to 85% of relative humidity.

**Storage life:** 24 months after slitting day.

**Storage conditions:** Keep-in-door, avoiding high temperature (such as beside heat source), high humidity, direct sun light...

## CERTIFICATES / REGISTRATION / DIRECTIVES

- TSCA (Toxic Substances Control Act)
- Directive RoHs
- Directive WEEE
- Directive 2003/11/EC
- Directive 2000/53/EC
- Directive 76/769/EC
- ISO EN71-3
- REACH Compliant

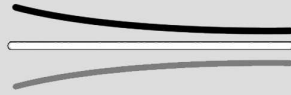


*For other directives, please contact us.*

# RICOH

## RIBBON PROPERTIES

Ink melting point: 83°C  
 Polyester film thickness: 4.5µm  
 Friction coefficient: <0.050



Total ribbon thickness: <9µm  
 Tearing resistance: >200N/mm²  
 Transmission density: 0.65 mini

## PRINTING PROPERTIES

*Maximum printing speed: 6 IPS*

	Nylon	Polyester Satin	Acetate
Compatibility	✓	✓	✓
Image density	1.42	1.47	1.33

### Image Resolution for Nylon and Polyester Satin:

- Minimum Size:*
- For the care symbol: 4.0mm
  - For the characters: 1.0mm

## DURABILITY OF PRINTED IMAGE

### TESTS WITH STANDARD NYLON CARE LABELS:

### RESULTS

**Standard wash (40° C):**

Test ISO C06A1M

**ANSI > B**

**Standard wash (60° C):**

Test ISO C06A1M

**ANSI > B**

**Stone wash:**

**ANSI > C**

**Dry Cleaning:**

**ANSI > B**

**Ironing Direct and Indirect (150° C):**

**ANSI > B**

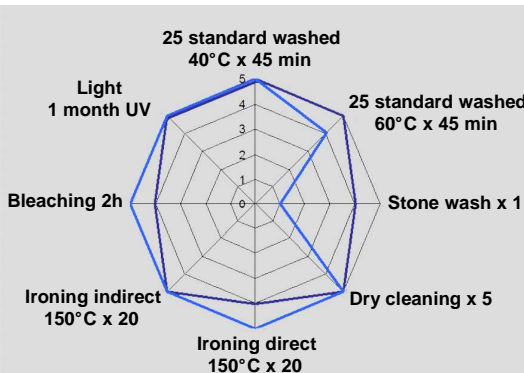
**Bleaching (5%):**

**ANSI > B**

**Light:**

Xenon lamp at 650W/m²

**ANSI > B**



### D110A Durability:

5: No damage (Good)

0: Erased (Bad)

■ D110A with Nylon

■ D110A with Polyester Satin

Note: These performances are for guidance only. Results are obtained with adapted receiving material and optimum print conditions (Ricoh test method).