

Ricoh Electronics, Inc.

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RICOH

THERMAL TRANSFER RIBBON PRODUCT INFORMATION

D110C

(For Flat Head Printers)

SPECIALTY
RESIN
(For Textile Application)

RIBBON PROPERTY

- | | |
|-----------------------|----------------|
| • Base Material | Polyester film |
| • Base Thickness (μm) | 4.5 ± 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) |
| • Image Resolution: | Min. ANSI B |

IMAGE DURABILITY

- | | |
|---------------------------------------|---|
| • Ironing resistance: | GD max. 0.07 (printing cloth ground, covered cloth ground) |
| • Smear resistance (wet): | No damage of the image, does not transfer the covered cloth |
| • Washing resistance (water 5 times): | ID min. 1.20 (nylon) |
| | ID min. 0.95 (polyester) |
| | ID min. 0.75 (athetete) |
| • Washing resistance (dry 5 times): | ID min. 1.25 (nylon) |
| | ID min. 1.20 (polyester) |
| | ID min. 1.00 (athetete) |
| • Bleach resistance: | ID min. 1.50 (nylon) |
| | ID min. 1.25 (polyester) |
| | ID min. 1.10 (athetete) |
| • Sweat resistance: | ID min. 1.40 (nylon) |
| | ID min. 1.20 (polyester) |
| | ID min. 1.00 (athetete) |

* ID(GD): The difference of image (ground) density between "before test" and "after test"

OTHERS

- | | |
|-------------------|---|
| • Preservability: | Image property remains and free from blocking even after 72 hours at 50°C preservation. |
|-------------------|---|

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

USAGE ENVIRONMENT: STORAGE CONDITIONS:

5 ~ 35°C (41 ~ 95°F) , 30 ~ 85%RH
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. Printable on receiving cloths (nylon, polyester, acetate) and films .
2. Super smear resistance even at temperatures as high as 150°C (302°F); image won't blur even with ironing .
3. Printing image durable against water and dry cleaning .
4. RICOH's unique coating on the back side allows reliable and superior matching qualities with thermal head.

*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. Specification may change without notice.*