RICOH
imagine. change.

B110A

Extreme Durable

Wax-Resin • Flat head

- The reference on the market since 1987
- Good heat resistance up to 120°C
- Superior smear resistance
- Applicable to a wide range of receiving labels: paper, coated paper, PET/PP/PE/PVC films...
- Ricoh's unique coating on the back allows reliable and superior matching qualities with the thermal head

PRINTING PROPERTIES

Maximum printing speed 10 IPS

	Non top-coated paper	Top-coated paper	PET	PE
Compatibility	✓	✓	✓	✓
Image density	1.46	1.72	1.73	1.68

Note: Smoothness Bekk for paper family must be over 200s.

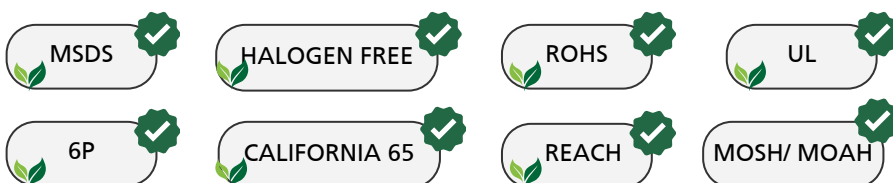Image resolution for paper & film:
Minimum size: - For the lines: 0.1mm   - For the characters: 1.0mm

RIBBON PROPERTIES

- Total ribbon thickness: < 9 µm
- Polyester film thickness: 4.5 µm
- Friction coefficient: < 0.035

- Ink melting point: 84°C
- Tearing resistance: > 200N/mm²
- Transmission density: 1.00 mini

CERTIFICATES/ COMPLIANCE

- MSDS ✓
- HALOGEN FREE ✓
- ROHS ✓
- UL ✓
- 6P ✓
- CALIFORNIA 65 ✓
- REACH ✓
- MOSH/ MOAH ✓

Application

- Tags
- Logistic/Storage Shipping
- Healthcare
- Multi purpose label
- Food ingredient

GENERAL CONDITION

Usage conditions: 5 to 35°C at 30 to 85% of relative humidity.
Storage conditions: Keep indoors avoiding high temperature, high humidity, and direct sunlight.
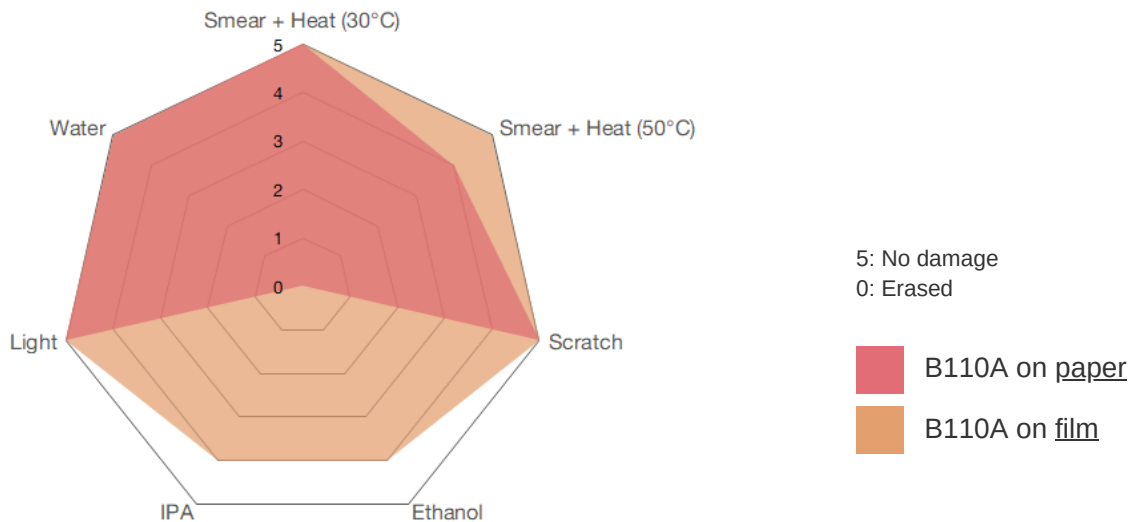*Storage life*: 24 months after production.

PRINTED IMAGE DURABILITY

TESTS	RESULT
Smear + heat 50°C	ANSI A
Smear with cardboard	
(weight 1kg - 50 back & forwards)	
Heat (120°C)	No ink on the cotton fabric
Heat gradient 3.6kgF/cm²	
Scratch	ANSI A
50 back and forwards with a rub tester	
Light	ANSI A
Xenon lamp at 650W/m²	
Water	ANSI A
24 hours in water	

B110A DURABILITY

5: No damage
0: Erased

B110A on paper
B110A on film

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

* Specifications are subjected to change without notice.
* The color(s) of the actual product may vary from the color(s) shown in this datasheet