FEATURES

- Higher heat resistance up to 250°C.
- Ultra chemical & solvent resistance.
- Usage on dedicated receiving materials (listed below).
- Ricoh’s unique coating on the back allows reliable and superior matching qualities with the thermal head.

APPLICATION AREAS

Automotive  Healthcare
Chemical Industry  Electronics

GENERAL CONDITIONS

Usage conditions: 5 to 35°C at 30 to 85% of humidity rate.
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
-REACH Compliant
-BS 5609

For other directives, please contact us.
**RIBBON PROPERTIES**

- Ink melting point: 112°C
- Polyester film thickness: 4.5µm
- Friction coefficient: < 0.045
- Total ribbon thickness: < 9µm
- Tearing resistance: >200N/mm²
- Transmission density: 0.65 mini

**PRINTING PROPERTIES**

<table>
<thead>
<tr>
<th>Compatibility</th>
<th>Non Coated Paper</th>
<th>Coated Paper</th>
<th>Recommended PET White</th>
<th>Recommended PP White</th>
<th>Recommended PET Silver</th>
</tr>
</thead>
<tbody>
<tr>
<td>Image density</td>
<td>-</td>
<td>-</td>
<td>1.65</td>
<td>1.81</td>
<td>1.68</td>
</tr>
</tbody>
</table>

*Note:* Smoothness Bekk for paper family must be over 2000s.

**Image Resolution for Film:**

- Minimum Size: - For the line: 0.1mm
- For the characters: 1.0mm

**DURABILITY OF PRINTED IMAGE**

**TESTS**

- **Smear + heat (100°C):**
  - Smear with cardboard
  - (weight 1kg – 50 back and forwards)

- **Heat (200°C):**
  - Heat gradient 3.6kgF/cm²

- **Scratch:**
  - 50 back and forwards with a rub tester

- **Light:**
  - Xenon lamp at 650W/m²

- **Water:**
  - 24 hours in water

**RESULTS**

- ANSI > B
- No ink on the cotton fabric
- ANSI > B
- ANSI A
- ANSI A

**B110CU Durability:**

- 5: No damage (Good)
- 0: Erased (Bad)

**Note:** These performances are based on using adapted receiving material and optimum print conditions (Ricoh test method).

**B110CU with dedicated white polyester**

![Diagram of solvents and substances]