**FEATURES**

- Higher heat resistance up to 120°C.
- Applicable to a wide range of receiving labels: paper, coated paper, film PET/PP/PE/PVC...
- Ricoh’s unique coating on the back allows reliable and superior matching qualities with the thermal head.

**APPLICATION AREAS**

- Tags
- Multipurpose Labels
- Shipping / Storage / Logistics
- Direct Food Contact

**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
- Direct Food Contact

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

- **Ink melting point:** 84°C
- **Polyester film thickness:** 4.5µm
- **Friction coefficient:** <0.035
- **Total ribbon thickness:** <9µm
- **Tearing resistance:** >200N/mm²
- **Transmission density:** 1.00 mini

**PRINTING PROPERTIES**

*Maximum printing speed: 10 IPS*

<table>
<thead>
<tr>
<th></th>
<th>Non Coated Paper</th>
<th>Coated Paper</th>
<th>PET</th>
<th>PP</th>
<th>PE</th>
<th>PVC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compatibility</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Image density</td>
<td>1.43</td>
<td>1.92</td>
<td>1.88</td>
<td>1.87</td>
<td>1.98</td>
<td>1.83</td>
</tr>
</tbody>
</table>

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

**Image Resolution for Paper & Film:**

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

**DURABILITY OF PRINTED IMAGE**

**TESTS**

- **Smear + heat (30°C):**
  - Smear with cardboard (weight 1kg – 50 back and forwards)
- **Heat (120°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**

**B110TI Durability:**

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

- **B110TI with paper**
- **B110TI with film**

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