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
- Chemical Industry
- Electronics
- Healthcare

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

Maximum printing speed: 3 IPS

<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

RECEIVING MATERIALS

B110CU must only be used on the following materials to achieve its resistance.

- Recommended:
  FLEXcon P-300-HW MTC410 (White PP); 3M 76962 AR MW; PET50 (Silver PET), 76964 AR MS PET50 (Silver PET), 76959 AR MW PP60 (White PP); Hanita Coatings K05077P (White glossy)
- Materials with good compatibility: (The above resistance is not always fully achieved)
  MADICO DURAFOL (White PET, Silver PET); FLEXcon THERMfilm CHEMGARD Series (White, Silver and Transparent PET); 3M 7870E (White PET); Fasson Transfer PET matt white / silver Top Chem Res (White and Silver PET)

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)

B110CU with dedicated white polyester