Signature Series™ Wax is a reliable, cost-effective solution for a wide range of applications. It prints at high speeds and delivers crisp, durable images on a variety of substrates. It is versatile enough to print on papers as well as low-end synthetics.

### Specific Features
- Suitable for a wide range of applications
- Prints crisp rotated bar codes
- Prints dark images at high speeds (12 IPS+)
- Available in SmartPaks™
- Dissipates static, resulting in hassle-free, low maintenance thermal transfer solutions
- Meets FDA requirements for indirect food contact applications

### Recommended Applications
- Ingredient labels, pharmaceutical labels, retail tag labels, shipping labels, tote labels, general ticketing, price tags.

**Shipping Labels**  
Sony ribbons deliver crisp rotated bar codes on coated and uncoated tag and label stocks.

**Retail Tag Labels**  
Sony ribbons deliver smudge-resistant images and accurate scanning even after frequent handling.

**Storage Labels**  
Sony ribbons are a durable, cost-effective solution for your barcoding applications.

**Retail Labels**  
Signature Series Wax ribbons meet FDA requirements for indirect food contact applications.

Visit Watson Label Products - www.wlp.com
Ribbon Property

<table>
<thead>
<tr>
<th>Description</th>
<th>Specification</th>
<th>Measurement Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ink Material</td>
<td>Wax</td>
<td>—</td>
</tr>
<tr>
<td>Total Thickness (µm)</td>
<td>7.8 ± 0.7</td>
<td>Micrometer</td>
</tr>
<tr>
<td>Base Film Thickness (µm)</td>
<td>4.8 ± 0.4</td>
<td>Micrometer</td>
</tr>
<tr>
<td>Ink Thickness (µm)</td>
<td>3.0 ± 0.5</td>
<td>Micrometer</td>
</tr>
<tr>
<td>Ribbon Transmission Density</td>
<td>&gt; 1.1</td>
<td>Densitometer</td>
</tr>
<tr>
<td>Print Density</td>
<td>&gt; 1.60</td>
<td>Densitometer</td>
</tr>
</tbody>
</table>

Durability of Printed Image

Labelstock: Coated paper
Print Speed: 6 IPS
Print Density: 1.65
Smudge Resistance: ANSI B
Scratch Resistance: ANSI C
Test Equipment: Colorfastness Tester
Conditions:
- Smudge Test: 25 cycles @ 500 grams with cotton cloth
- Scratch Test: 20 cycles @ 200 grams with stainless steel pointed tip

Legend: 1Represents the American National Standards Institute (ANSI) Grade measured at the given conditions. Grade levels are A, B, C, D, and F, where A is excellent, B is above average, C is average, D is below average, and F is poor.

Extreme Temperature Ribbon Storage Stability

Exposure Period: 3 cycles at each of the following conditions:
Conditions:
- -20°C/-4°F for 12 hours
- 50°C/122°F for 12 hours
Results: No change in print quality after each exposure period.

Conversion Chart

<table>
<thead>
<tr>
<th>mm to inches</th>
<th>mm ÷ 25.4</th>
<th>Inches to mm</th>
<th>inches ÷ .03937</th>
</tr>
</thead>
<tbody>
<tr>
<td>M to feet</td>
<td>M ÷ .3048</td>
<td>Feet to M</td>
<td>feet ÷ 3.2808</td>
</tr>
<tr>
<td>C° to F°</td>
<td>(1.8 x C°) + 32 = F°</td>
<td>F° to C°</td>
<td>F°/1.8 - 17.777 = C°</td>
</tr>
<tr>
<td>Square inches to square meters</td>
<td>square meters = MSI ÷ .645</td>
<td>MSI = square meters x .645</td>
<td></td>
</tr>
</tbody>
</table>

Recommended Applications

Ingredient labels, pharmaceutical labels, retail tag labels, shipping labels, tote labels, general ticketing, price tags.

The information on this data sheet was obtained in Sony Chemicals Corporation laboratories. Measured values may vary slightly when tested in a different environment. Information contained within this document is subject to change without notification.