Specific Features

- Features Sony’s SmoothCoat™ backcoat
- Delivers darker images
- Prints on a wider variety of substrates from uncoated papers to mid-range synthetic films
- Prints at high speeds (12 IPS) delivering crisp, rotated bar codes
- Dissipates static
- Images at the same or lower print temperatures as TR4085
- Superior print quality on flood-coated labels
- Enhanced smudge and scratch resistance

Recommended Applications

Shipping labels, retail tags, pharmaceutical labels, ingredient labels, general ticketing, shelf labels, horticulture labels, warning labels, blood bags, drum labels, polybags and machinery part labels

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

**Retail Tags**
Sony ribbons will not stain fabrics when steamed, ironed or stored for extended periods of time.

**Pharmaceutical Labels**
Sony ribbons provide dark, durable images for critical applications.

**Storage Labels**
Sony ribbons offer cost-effective solutions on a wide variety of substrates.
### Ribbon Property

<table>
<thead>
<tr>
<th>Description</th>
<th>Specification</th>
<th>Measurement Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ink Material</td>
<td>Resin enhanced wax</td>
<td>—</td>
</tr>
<tr>
<td>Total Thickness (µm)</td>
<td>7.9 ± 0.5</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>2.8 ± 0.3</td>
<td>Micrometer</td>
</tr>
<tr>
<td>Ribbon Transmission Density</td>
<td>≥ 1.45</td>
<td>Densitometer</td>
</tr>
<tr>
<td>Print Density</td>
<td>≥ 1.7</td>
<td>Densitometer</td>
</tr>
</tbody>
</table>

### Durability of Printed Image

- **Label Stock:** Coated paper
- **Print Speed:** 6 IPS
- **Print Density:** 1.79
- **Smudge Resistance:** ANSI A
- **Scratch Resistance:** ANSI A
- **Test Equipment:** Colorfastness Tester
- **Conditions:**
  - Smudge Test: 50 cycles @ 500 grams with cotton cloth
  - Scratch Test: 20 cycles @ 200 grams with stainless steel pointed tip

\(^1\)Represents 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.

### Conversion Chart

- **Millimeters (mm) to inches** ▶ mm ÷ 25.4
- **Inches to mm** ▶ Inches ÷ 0.03937
- **Meters (m) to Feet (ft)** ▶ m ÷ 0.3048
- **Feet to Meters** ▶ Feet ÷ 3.2808
- **C° to F°** ▶ (1.8 x C°) + 32 = F°
- **F° to C°** ▶ (F°÷1.8) -17.77 = C°
- **Thousand square inches (MSI) to m²** ▶ msi x 0.645
- **m² to MSI** ▶ m² ÷ 0.645

### Recommended Applications

Shipping labels, retail tags, pharmaceutical labels, ingredient labels, general ticketing, shelf labels, horticulture labels, warning labels, blood bags, drum labels, polybags and machinery part labels

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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.