TR5080 was specifically developed to cover the widest possible range of flood coated label applications. It performs well on the various inks used on spot-coated and flood-coated labels, eliminating the tendency of the label to slip during the printing process. TR5080 eliminates the need for the use of thermal transfer varnishes on flood coated labels, thereby reducing the total label cost. TR5080 prints up to 12 inches per second with complete image integrity.

**Specific Features**

- Ideal for printing on spot-coated and flood-coated labels
- Prints dark, crisp images at speeds up to 12 IPS
- Eliminates the cost of special varnishes
- Prints at high resolution (400 dpi+)
- Dissipates static
- Features Sony’s SmoothCoat™ backcoat

**Recommended Applications**

Shelf labels, point-of-purchase labels, warning labels, inventory tracking labels, color for size labels, blood bags, retail tags, horticulture labels.

- **Shelf Labeling**
  Clear, crisp thermal transfer printed images are easily seen and read in retail applications.

- **Point-of-Purchase Tags**
  High-quality Sony printed images are ideal for color tags and labels.

- **Warning Labels**
  TR5080 allows thermal transfer printing on colorful warning labels and signs that get noticed.

- **Inventory Tracking**
  The use of various colored labels makes inventory tracking faster and easier.

Visit Watson Label Products - www.wlp.com
**TR5080 Premium Wax/Resin**

### 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/Resin</td>
<td>—</td>
</tr>
<tr>
<td>Total Thickness (µm)</td>
<td>8.0 ± 0.4</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>2.9 ± 0.2</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>≥ 1.8</td>
<td>Densitometer</td>
</tr>
</tbody>
</table>

### Durability of Printed Image

- **Label Stock:** Flood Coated paper
- **Print Speed:** 6 IPS
- **Print Density:** 1.90
- **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

<sup>1</sup>Represents the American National Standard 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** \( \times \text{mm ÷ 25.4} \)
- **Inches to mm** \( \times \text{Inches ÷ 0.03937} \)
- **Meters (m) to Feet (ft)** \( \times m ÷ 0.3048 \)
- **Feet to Meters** \( \times \text{Feet ÷ 3.2808} \)
- **C° to F°** \( (1.8 \times C°) + 32 = F° \)  \( F° \text{ to } C° \times (F° ÷ 1.8) -17.77 = C° \)
- **Thousand square inches (MSI) to m²** \( msi \times 0.645 \)
- **m² to MSI** \( m² ÷ 0.645 \)

### Recommended Applications

- Shelf labels, point-of-purchase labels, warning labels, inventory tracking labels, color for size labels, blood bags, retail tags, horticulture labels.

*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.*