TR4570 resin is a member of the SharpEdge™ family of ribbons, compatible with near edge or corner edge printheads. TR4570 joins Sony’s TR4500 wax/resin ribbon to provide the best near edge product offering on the market. TR4570 is the first true resin available for near edge printers. It offers higher print density and gloss with superior durability compared to anything on the market. TR4570 can print up to 10 ips.

Specific Features

- Superior print density
- Superior durability
- Faster print speeds
- Features Sony’s SmoothCoat™ backcoat

Recommended Applications

Shelf labels, warning labels, tamper-evident labeling, automotive labels, drum labels, component labels, jewelry tags.

Chemical Drum Labels
Sony premium resin ribbons provide durable, scratch-resistant images on preprinted or treated label surfaces for your most demanding applications.

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

Shelf Labels
Clear, crisp Sony printed images are easily seen and read in retail applications.

Warning Labels and Signs
Exceptional long-term durability of Sony images satisfy industrial and outdoor sign requirements.

Visit Watson Label Products on the web - www.wlp.com
TR4570 Near Edge 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>Resin</td>
<td>—</td>
</tr>
<tr>
<td>Total Thickness (µm)</td>
<td>6.5 ± 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>0.7 ± 0.2</td>
<td>Micrometer</td>
</tr>
<tr>
<td>Ribbon Transmission Density</td>
<td>≤ 1.2</td>
<td>Densitometer</td>
</tr>
<tr>
<td>Print Density</td>
<td>≥ 1.4</td>
<td>Densitometer</td>
</tr>
</tbody>
</table>

### Durability of Printed Image

- **Label Stock:** Topcoated White Polyester
- **Print Speed:** 6 IPS
- **Print Density:** 1.75
- **Smudge Resistance:** ANSI A
- Highly resistant to rubbing with Formula 409.
- **Test Equipment:** Colorfastness Tester
- **Conditions:**
  - Smudge Test: 100 cycles @ 500 grams with cotton cloth
  - Scratch Test: 50 cycles @ 200 grams with stainless steel pointed tip

*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** ★ 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
- **MSI = m² ÷ 0.645**

### Recommended Applications

- Shelf labels, warning labels, tamper-evident labeling, automotive labels, drum labels, component labels, jewelry 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.*