

# Signature<sup>™</sup> Series WAX/RESIN

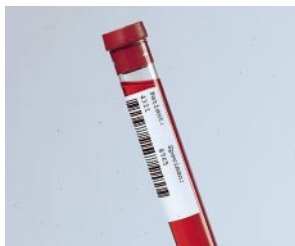
Signature<sup>™</sup> Series Wax/Resin prints on paper and low-end synthetic tags and labels, providing durable, smudge-resistant images. In addition, SCCA's proprietary technology dissipates static, resulting in hassle-free, low-maintenance thermal transfer solutions.

## Specific Features

- Prints durable, smudge-resistant images
- Hassle-free, low-maintenance thermal transfer solutions
- Excellent rotated bar codes
- Prints dark images on paper and low-end synthetic tags and labels
- Available in SmartPaks<sup>™</sup>

## Recommended Applications

Blood bags, pharmaceutical labels, retail tag labels, shipping labels, direct package printing (poly-bags), tote labels, horticulture labels.



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



**Direct Package Printing**  
Scratch and smudge resistance make Sony ribbons ideal for direct printing on flexible poly-bags.



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



**Horticulture Tags**  
Sony ribbons can withstand an unprecedented 14 years of UV exposure for rigorous outdoor applications.

# SONY

Sony Chemicals Corporation

**Signature Series WAX / RESIN****Ribbon Property**

<b>Description</b>	<b>Specification</b>	<b>Measurement Method</b>
Ink Material	Wax/resin	—
Total Thickness ( $\mu\text{m}$ )	$7.9 \pm 0.6$	Micrometer
Base Film Thickness ( $\mu\text{m}$ )	$4.8 \pm 0.4$	Micrometer
Ink Thickness ( $\mu\text{m}$ )	$2.8 \pm 0.4$	Micrometer
Ribbon Transmission Density	$\geq 1.4$	Densitometer
Print Density	$> 1.8$	Densitometer

**Durability of Printed Image**

Labelstock: Coated Paper

Print Speed: 4 IPS

Print Density: 1.93

Smudge Resistance<sup>a</sup>: ANSI B<sup>b</sup>Scratch Resistance<sup>a</sup>: ANSI A

Highly resistant to rubbing with isopropyl alcohol, Formula 409, and mineral spirits.

<sup>a</sup>Test Equipment: Colorfastness Tester

Conditions: Smudge Test: 50 cycles @ 500 grams with cotton cloth

Scratch Test: 35 cycles @ 200 grams with stainless steel pointed tip

<sup>b</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.**Extreme Temperature Ribbon Storage Stability**

Exposure Period: 3 cycles at each of the following conditions:

Conditions:  $-20^{\circ}\text{C}/-4^{\circ}\text{F}$  for 12 hours $50^{\circ}\text{C}/122^{\circ}\text{F}$  for 12 hours

Results: No change in print quality after each exposure period.

**Conversion Chart**mm to inches  $\blacktriangleright$  mm  $\div$  25.4Inches to mm  $\blacktriangleright$  inches  $\div$  .03937M to feet  $\blacktriangleright$  M  $\div$  .3048Feet to M  $\blacktriangleright$  feet  $\div$  3.2808 $\text{C}^{\circ}$  to  $\text{F}^{\circ}$   $\blacktriangleright$   $(1.8 \times \text{C}^{\circ}) + 32 = \text{F}^{\circ}$  $\text{F}^{\circ}$  to  $\text{C}^{\circ}$   $\blacktriangleright$   $\text{F}^{\circ}/1.8 - 17.777 = \text{C}^{\circ}$ Square inches to square meters  $\blacktriangleright$  square meters = MSI  $\div$  .645MSI = square meters  $\times$  .645**Recommended Label Usages***Blood bags, pharmaceutical labels, retail tag labels, shipping labels, direct package printing (poly-bags), tote labels, horticulture labels.***SONY**

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