

Signature Series™ RESIN

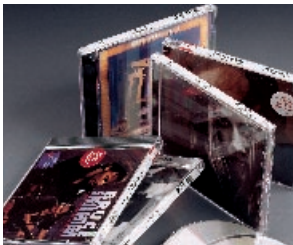
Our premium Signature Series™ Resin product delivers excellent smudge and scratch resistant performance in your most demanding applications. It can withstand extreme heat and UV exposure.

Specific Features

- Durable, scratch-resistant performance
- Eliminates the need for overlaminates in many cases
- Withstands extreme heat and UV exposure
- Available in SmartPaks™
- Provides transferability to polyester films, vinyl, and PVC cards
- Features Sony's SmoothCoat™ backcoating

Recommended Applications

Steel tags, water heater labels, ID cards, automotive labels, drum labels, component labels, electronic labeling.



CD and Diskette Labels

Excellent print clarity and smudge-resistant images are ideal for CD and diskette labels.



Chemical Drum Labels

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



Appliance Labels

Appliance labels are another proven application for Sony's images, with high-heat resistance up to 400° F.



Warning Labels

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

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Ribbon Property		
Description	Specification	Measurement Method
Ink Material	Resin	—
Total Thickness (μm)	6.7 ± 0.6	Micrometer
Base Film Thickness (μm)	4.8 ± 0.4	Micrometer
Ink Thickness (μm)	1.4 ± 0.5	Micrometer
Ribbon Transmission Density	1.0 ± 0.25	Densitometer
Print Density	> 1.6	Densitometer

Durability of Printed Image	
Labelstock: Topcoated White Polyester	
Print Speed: 6 IPS	Print Density: 1.92
Smudge Resistance: ANSI A ¹	Scratch Resistance: ANSI B ¹
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	
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.	

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	
mm to inches ► mm ÷ 25.4	Inches to mm ► inches ÷ .03937
M to feet ► M ÷ .3048	Feet to M ► feet ÷ 3.2808
C° to F° ► (1.8 x C°) + 32 = F°	F° to C° ► F°/1.8 - 17.777 = C°
Square inches to square meters ► square meters = MSI ÷ .645	MSI = square meters x .645

Recommended Applications
Steel tags, water heater labels, ID cards, automotive labels, drum labels, component labels, electronic labeling.

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.