

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 smudgeresistant 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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Sony Chemicals Corporation of America

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Signature Series" RESIN

Ribbon Property			
Description	Specification	Measurement Method	
Ink Material	Resin	—	
Total Thickness (µm)	6.7 ± 0.6	Micrometer	
Base Film Thickness (μ m)	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	6 IPS	Print Density: 1.92
Smudge Resist	ance: 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		
Depresents the American National Standards Institute (ANSI) Crade measured at the given conditions. Crade Javala		

¹Represents 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.

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 $F^{\circ} \triangleright (1.8 \times C^{\circ}) + 32 = F^{\circ}$	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.



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