

# TR4085 *plus*<sup>TM</sup>

# SONY

## Ribbon Data Sheet



### General Purpose



We've raised the bar with TR4085plus<sup>TM</sup> Featuring our SmoothCoat<sup>TM</sup> backcoat, TR4085plus provides unparalleled printhead protection, while delivering the darkest, most durable images. In addition, TR4085plus prints on a wide range of substrates at temperatures consistent with those used for TR4085.

### Specific Features

- Features Sony's SmoothCoat<sup>TM</sup> backcoat
- Delivers darker images
- Prints on a wider variety of substrates from uncoated papers to mid-range synthetic films
- Prints at high speeds (12 IPS) delivering crisp, rotated bar codes
- Dissipates static
- Images at the same or lower print temperatures as TR4085
- Superior print quality on flood-coated labels
- Enhanced smudge and scratch resistance

### Recommended Applications

Shipping labels, retail tags, pharmaceutical labels, ingredient labels, general ticketing, shelf labels, horticulture labels, warning labels, blood bags, drum labels, polybags and machinery part labels



#### Shipping Labels

Sony ribbons deliver crisp rotated bar codes on coated and uncoated tag and label stocks.



#### Retail Tags

Sony ribbons will not stain fabrics when steamed, ironed or stored for extended periods of time.



#### Pharmaceutical Labels

Sony ribbons provide dark, durable images for critical applications.



#### Storage Labels

Sony ribbons offer cost-effective solutions on a wide variety of substrates.

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# TR4085 *plus*<sup>™</sup> *General Purpose*

Ribbon Property		
Description	Specification	Measurement Method
Ink Material	Resin enhanced wax	—
Total Thickness (µm)	7.9 ± 0.5	Micrometer
Base Film Thickness (µm)	4.8 ± 0.4	Micrometer
Ink Thickness (µm)	2.8 ± 0.3	Micrometer
Ribbon Transmission Density	≥ 1.45	Densitometer
Print Density	≥ 1.7	Densitometer

Durability of Printed Image	
Label Stock:	Coated paper
Print Speed:	6 IPS
Print Density:	1.79
Smudge Resistance:	ANSI A <sup>1</sup>
Scratch Resistance:	ANSI A <sup>1</sup>
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 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.	

Conversion Chart	
Millimeters (mm) to inches ▶ $\text{mm} \div 25.4$	Inches to mm ▶ $\text{Inches} \div 0.03937$
Meters (m) to Feet (ft) ▶ $\text{m} \div 0.3048$	Feet to Meters ▶ $\text{Feet} \div 3.2808$
C° to F° ▶ $(1.8 \times \text{C}^\circ) + 32 = \text{F}^\circ$	F° to C° ▶ $(\text{F}^\circ \div 1.8) - 17.77 = \text{C}^\circ$
Thousand square inches (MSI) to m <sup>2</sup> ▶ $\text{msi} \times 0.645$	MSI = m <sup>2</sup> ÷ 0.645

Recommended Applications
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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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