

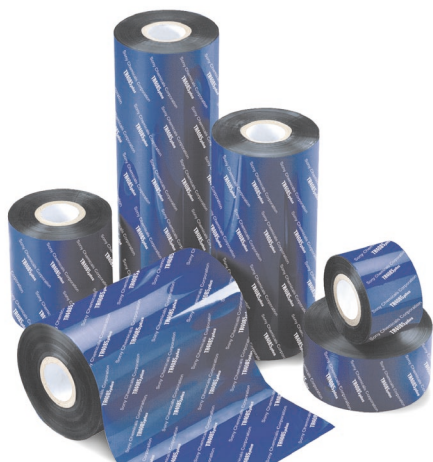
TR4085_{plus}TM

SONY

Ribbon Data Sheet



General Purpose



When we introduced TR4085, we set the standard for thermal transfer wax technology. Now, we've raised the bar with TR4085plusTM. Featuring our SmoothCoatTM 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 SmoothCoatTM 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}[™]

G e n e r a l P u r p o s e

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 ¹	Scratch Resistance: ANSI A ¹
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	
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.	

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 m ² ▶ msi x 0.645	MSI = m ² ÷ 0.645

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

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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