

# TR4050

# SONY

## Ribbon Data Sheet



### General Purpose



The most widely used ribbon worldwide, Sony's original TR4050 hard wax formulation sets the standard for general purpose thermal transfer ribbons. It serves as the most economical ribbon solution for a broad range of printers and materials. TR4050's backcoating reduces static and prolongs printhead life.

### Specific Features

- Universal use
- Cost-effective solution
- High-density imaging for a wide variety of applications
- UL recognized
- Meets FDA requirements for indirect food contact applications

### Recommended Applications

Plant container labels, corrugated applications, retail tag labels, ingredient labels, pharmacy labeling, general ticketing (coated and uncoated tag).



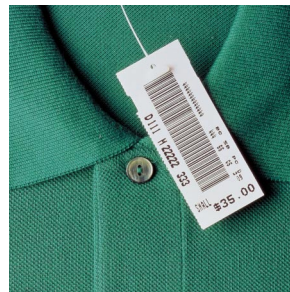
#### Shipping Labels

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



#### Retail Tag Labels

Sony ribbons meet FDA requirements for indirect food contact applications.



#### Textile Tag Labels

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



#### Storage Labels

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

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Sony Chemicals Corporation

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General Purpose

Ribbon Property		
Description	Specification	Measurement Method
Ink Material	Wax	—
Total Thickness ( $\mu\text{m}$ )	$8.4 \pm 0.6$	Micrometer
Base Film Thickness ( $\mu\text{m}$ )	$4.8 \pm 0.4$	Micrometer
Ink Thickness ( $\mu\text{m}$ )	$3.3 \pm 0.5$	Micrometer
Ribbon Transmission Density	$\geq 1.45$	Densitometer
Print Density	$\geq 1.43$	Densitometer

Durability of Printed Image	
Labelstock: Coated paper	
Print Speed: 6 IPS	Print Density: 1.74
Smudge Resistance <sup>a</sup> : ANSI A <sup>b</sup>	Scratch Resistance <sup>a</sup> : ANSI A
<sup>a</sup> Test Equipment: Colorfastness Tester	
Conditions: Smudge Test: 25 cycles @ 500 grams with cotton cloth	
Scratch Test: 25 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.	

Recommended Applications
<i>Ingredient labels, pharmaceutical labels, retail tag labels, shipping labels, tote labels, general ticketing, price tags.</i>

The information contained on this data sheet was obtained in Sony Chemicals Corporation laboratories and measured values may vary slightly when tested in a different environment.

## SONY

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