

TR4500

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R i b b o n D a t a S h e e t

N e a r E d g e P r e m i u m



TR4500 is part of a complete line of superior-performing near edge product solutions. It is the best ribbon on the market for thermal transfer printers equipped with near edge or corner edge printheads.

Specific Features

- Near edge/corner edge applications
- Use with TEC, Avery, Novexx, and Smartdate near edge printers
- Prints excellent images on a wide variety of label and tag stocks (paper to low-end synthetics)
- Prints dark images at high speeds and low energy settings

Recommended Applications

Shipping labels, retail tags, ingredient labels, pharmaceutical labels, general ticketing, direct package printing (poly-bags).



Shipping Labels

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



Retail Labels

Sony ribbons comply with FDA requirements for indirect food contact applications.



Direct Package Printing

Scratch and smudge resistance make Sony ribbons ideal for direct printing on flexible poly-bags.



Retail Tags

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

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Near Edge Premium

Ribbon Property		
Description	Specification	Measurement Method
Ink Material	Wax/Resin	—
Total Thickness (µm)	8.2 ± 0.5	Micrometer
Base Film Thickness (µm)	4.8 ± 0.4	Micrometer
Ink Thickness (µm)	1.4 ± .3	Micrometer
Ribbon Transmission Density	≤ 1.2	Densitometer
Print Density	≥ 1.6	Densometer

Durability of Printed Image	
Label Stock: Coated paper	
Print Speed: 6 IPS	Print Density: 1.86
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 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.	

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 × C°) + 32 = F°	F° to C° ▶ (F° ÷ 1.8) - 17.77 = C°
Thousand square inches (MSI) to m ² ▶ msi × 0.645	MSI = m ² ÷ 0.645

Recommended Applications
<i>Shipping labels, retail tags, ingredient labels, pharmaceutical labels, general ticketing, direct package printing (poly-bags), tote labels, blood bags.</i>

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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