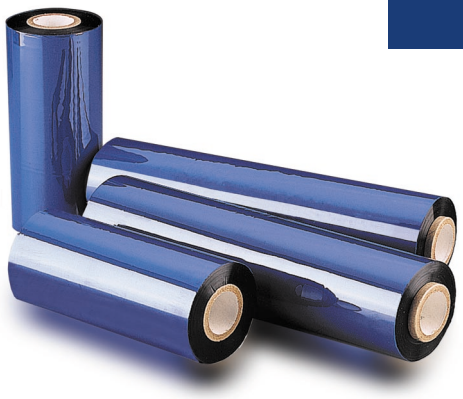
TR4500

SONY

Ribbon Data Sheet

Near Edge Premium



TR4500 is part of a complete line of superior-performing SharpEdge™ product solutions. It is the best ribbon on the market for thermal transfer printers equipped with near edge or corner edge printheads. TR4500's SmoothCoat™ backcoat reduces static and prolongs printhead life.

TEC Approved

Specific Features

- *Near edge/corner edge applications*
- *Prints excellent images on a wide variety of label and tag stocks (paper to low-end synthetics)*
- *Complies with FDA requirements for indirect food contact applications.*
- *Prints dark images at high speeds and low energy settings*
- *Features Sony's SmoothCoat™ backcoat*

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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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 ± 0.3	Micrometer
Ribbon Transmission Density	≤ 1.2	Densitometer
Print Density	≥ 1.6	Densitometer

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 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, ingredient labels, pharmaceutical labels, general ticketing, direct package printing (poly-bags), tote labels, blood bags.

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.

SONY

Sony Chemicals Corporation

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F-4500 6/01

Sony Chemicals Corporation of America
1001 Technology Drive
Mt. Pleasant, PA 15666-1766
Phone: (724) 696-7500
FAX: (724) 696-7555
E-mail: sales_marketing@sonychemicals.com

Sony Chemicals Europe B.V.
Diamantlaan 27
2132 WV Hoofddorp
The Netherlands
Phone: 31 23 56 50606
FAX: 31 23 56 20115
E-mail: sales@sonychemicals.nl

Sony Chemicals Singapore Pte Ltd.
83 Clemenceau Avenue #10-03/04
UE Square
Singapore 239920
Phone: 65-836-1181
FAX: 65-836-1171
E-mail: sales@sonychem.com.sg

Sony Chemicals Corporation
1-6-3 Nihombashi Muromachi
Tokyo 103
Japan
Phone: 81 3 3279 0448
FAX: 81 3 3279 0510
E-mail: info@sccj.co.jp