

TR3021, 22, 23

RED

BLUE

GREEN

SONY

Ribbon Data Sheet

General Purpose



Based on Sony's proven wax technology, these quality wax ribbons expand your color possibilities when black just isn't enough.

Specific Features

- Provides excellent print clarity and are highly smudge resistant
- Features Sony's SmoothCoat™ backcoat

Recommended Applications

Material ID tags, ingredient labels, shipping labels, size sticker labels, CD and diskette labels, retail tags.



TR3021 Red
Pantone 199C



TR3022 Blue
Pantone 286C



TR3023 Green
Pantone 355C

(Color may vary depending on substrate)

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General Purpose

Ribbon Property			
Description	Specification	Measurement Method	
Ink Material	Wax	—	
Total Thickness (µm)	8.4 + 0.6, - 0.5	Micrometer	
Base Film Thickness (µm)	4.8 ± 0.4	Micrometer	
Ink Thickness (µm)	3.3 ± 0.4	Micrometer	
Ribbon Transmission Density	NA	Densitometer	
Print Density		Densitometer	
Ribbon	Y	M	C
TR3021	0.88 – 1.12	1.54 – 2.09	0.05 – 0.25
TR3022	0.20 – 0.63	0.93 – 1.55	1.35 – 2.02
TR3023	0.90 – 1.58	0.36 – 0.49	1.44 – 2.02

Durability of Printed Image	
Label Stock:	Coated Paper
Print Speed:	6 IPS
Smudge Resistance ^a :	High
Scratch Resistance ^a :	High
^a 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

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
Material ID tags, ingredient labels, shipping labels, size sticker labels, CD and diskette labels, retail tags.

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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