

# SONY

# TR3021,22,23

Red      Blue      Green

## General Purpose Wax



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)

Certified ISO 9001 / ISO 14001 by



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Ribbon Property			
Description	Specification	Measurement Method	
Ink Material	Wax	—	
Total Thickness (µm)	8.4 ± 1.2	Micrometer	
Base Film Thickness (µm)	4.8 ± 0.4	Micrometer	
Ink Thickness (µm)	3.7 ± 0.7	Micrometer	
Ribbon Transmission Density	NA	Densitometer	
Print Density		Densitometer	
Ribbon	Y	M	C
TR3021	0.84 – 1.18	1.24 – 1.90	0.01 – 0.26
TR3022	0.08 – 0.56	0.85 – 1.57	1.18 – 1.94
TR3023	0.63 – 1.41	0.28 – 0.50	1.47 – 2.15

Durability of Printed Image	
Label Stock: Coated Paper	
Print Speed: 6 IPS	
Smudge Resistance <sup>a</sup> : High	Scratch Resistance <sup>a</sup> : High
<sup>a</sup> 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 = $\text{mm} \div 25.4$	Inches to mm = $\text{Inches} \div 0.03937$
Meters (m) to Feet (ft) = $\text{m} \div 0.3048$	Feet to Meters = $\text{Feet} \div 3.2808$
C° to F° = $(1.8 \times \text{C}^\circ) + 32 = \text{F}^\circ$	F° to C° = $(\text{F}^\circ \div 1.8) - 17.77 = \text{C}^\circ$
Thousand square inches (MSI) to m <sup>2</sup> = $\text{msi} \times 0.645$	MSI = $\text{m}^2 \div 0.645$

Recommended Applications
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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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