

# Thermal Transfer Ribbons

## TECHNICAL DATA SHEET



LABELS DIRECT

## TR3021 Red General Purpose Wax

### PRODUCT DESCRIPTION

Based on our proven wax technology, these quality ribbons expand your color possibilities while providing excellent print clarity and high smudge resistance when black just isn't enough. These ribbons are also specially formulated with backcoat technology for printhead protection.

### RECOMMENDED SUBSTRATES

Coated/uncoated paper & tag stocks, synthetic paper, polyethylene, polypropylene, top-coated vinyl, polyolefin, Tyvek®, Tyvek Brillion®

### PERFORMANCE CHARACTERISTICS

- Provides excellent print clarity and is highly smudge resistant
- Prints at high speeds (12 IPS) delivering crisp, rotated bar codes
- Features a SmoothCoat® backcoat
- Unbeatable edge definition for dark, dense images and improved scan rates

### RECOMMENDED APPLICATIONS



COLOR



GENERAL



HORTICULTURE



INVENTORY



OUTDOOR



PARTS  
PACKAGING



PRODUCT ID



RETAIL



SHELF



SIGNAGE



TR3021 Red  
PMS 1787C

Colors may vary by substrate  
PMS = Pantone® Matching System

# TR3021 Red General Purpose Wax

## RIBBON PROPERTIES

DESCRIPTION	RESULT	TEST METHOD
Ink	Wax	
Color	Red	Visual
Total Thickness	$8.4 \pm 0.5\mu$	Micrometer
Base Film Thickness	$4.8 \pm 0.3\mu$	Micrometer
Ink Thickness	$3.6 \pm 0.2\mu$	Micrometer
Ink Melting Point	72°C (162°F)	Differential Scanning Calorimeter

## DURABILITY OF PRINTED IMAGE

**Label Stock:** Coated Paper

**Print Speed:** 6 IPS

DESCRIPTION	RESULT	TEST METHOD
Print Density - Red	Y: 0.84 - 1.18 M: 1.24 - 1.90 C: 0.01 - 0.26	Densitometer

## CONVERSION CHART

Millimeters (mm) to Inches =  $\text{mm} \div 25.4$

Meters (m) to Feet (ft) =  $\text{m} \div 0.3048$

C° to F° =  $(1.8 \times \text{C}^\circ) + 32 = \text{F}^\circ$

Thousand square inches (MSI) to m<sup>2</sup> =  $\text{MSI} \times 0.645$

Inches to Millimeters (mm) =  $\text{Inches} \div 0.03937$

Feet (ft) to Meters (m) =  $\text{Feet} \div 3.2808$

F° to C° =  $(\text{F}^\circ \div 1.8) - 17.77$

MSI =  $\text{m}^2 \div 0.645$

### Labels Direct, Inc.

664 Trade Center Blvd.

Chesterfield, MO 63005

Phone Support: 636-458-5156

Toll Free Support: 800-458-5110

Fax: 636-458-5693

*The information on this data sheet was obtained in our 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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