



## Thermal Transfer Ribbon Technical Data Sheet

### TR4055<sup>®</sup> Standard Wax

#### Product Description

Our newest wax product features a blend of waxes and a unique resin that are combined in an ink that flows smoothly at low print energy to give uniform coverage on lower end substrates. TR4055<sup>®</sup> also incorporates technology designed to control and dissipate static charges and a backcoat proven to protect your printhead. Specially formulated to provide excellent performance in a broad range of applications, TR4055<sup>®</sup> sets the standard for everyday thermal transfer printing.

#### Recommended Applications



GENERAL



INVENTORY



LOGISTICS



PARTS  
PACKAGING



PRODUCT ID



RETAIL



RFID



SHELF



SHIPPING



SIGNAGE

#### Recommended Substrates

Coated/uncoated paper & tag stocks

#### Performance Characteristics

- Designed to provide excellent performance in everyday applications on the most commonly used substrates; including coated and uncoated paper and tags
- Good smudge and scratch resistance
- Capable of print speeds up to 6-8 IPS
- Dark glossy printed image
- Halogen-free



## Thermal Transfer Ribbon Technical Data Sheet

### TR4055<sup>®</sup> Standard Wax

#### Ribbon Properties

Description	Result	Test Method
Ink	Wax	
Color	Black	Visual
Total Thickness	7.8 ± 0.5µ	Micrometer
Base Film Thickness	4.8 ± 0.3µ	Micrometer
Ink Thickness	3.0 ± 0.2µ	Micrometer
Ink Melting Point	70°C (158°F)	Differential Scanning Calorimeter

#### Durability of Printed Image

Label Stock: Coated Paper

Print Speed: 6 IPS

Description	Result	Test Method
Print Density	> 1.70	Densitometer
Smudge Resistance	A*	Colorfastness Tester - 50 Cycles @ 500 Grams with Cotton Cloth
Scratch Resistance	A*	Colorfastness Tester - 20 Cycles @ 200 Grams with Stainless Steel Pointed Tip

\*American National Standard Institute (ANSI) Grade Levels 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 Millimeters (mm) = Inches ÷ 0.03937
Meters (m) to Feet (ft) = m ÷ 0.3048	Feet (ft) to Meters (m) = Feet ÷ 3.2808
C° to F° = (1.8 X C°) + 32 = F°	F° to C° = (F° ÷ 1.8) - 17.77
Thousand square inches (MSI) to m <sup>2</sup> = MSI X 0.645	MSI = m <sup>2</sup> ÷ 0.645

*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.*

Technicode, Inc  
 44486 Broadmoor Blvd., Suite 300,  
 Northville, Michigan, 48168  
 Off 800 919-7480 Fax 734 459-9808  
 technicodesales@technicodelabels.com  
 www.technicodelabels.com