

# Thermal Transfer Ribbons

## TECHNICAL DATA SHEET



LABELS DIRECT

## V300 Versatility Defined Resin

### PRODUCT DESCRIPTION

The most versatile thermal transfer ribbon on the market, this ribbon prints on everything from paper to PET at high speeds and low energy settings while providing superior mechanical durability and resistance to alcohols like methanol and isopropanol (IPA).

### RECOMMENDED SUBSTRATES

Coated paper, flood-coated paper, gloss paper, Kimdura®, synthetic paper, Polyart®, polyester, polypropylene, polyethylene, polyolefin, UV varnishes, coated Valeron®, coated V-max®, polyimide, polystyrene, vinyl, matte Kapton®, overlaminates

### PERFORMANCE CHARACTERISTICS

- Abrasion resistant
- Anti-static
- High-density
- High-speed
- Printable on various materials
- Printhead protection
- Proprietary backcoat
- Reduced print energy use
- Solvent resistant

### RECOMMENDED APPLICATIONS



AGENCY



ASSET  
TRACKING



AUTOMOTIVE



CHEMICAL  
DRUM



ELECTRICAL  
COMPONENT



EXTREME  
ENVIRONMENT



CONDIMENTS



FLEXIBLE  
PACKAGING



OUTDOOR



PHARMACEUTICAL



PRODUCT ID



RFID



SECURITY



SHELF

# V300 Versatility Defined Resin

## RIBBON PROPERTIES

DESCRIPTION	RESULT	TEST METHOD
Ink	Resin	
Color	Black	Visual
Total Thickness	$5.8 \pm 0.8\mu$	Micrometer
Base Film Thickness	$4.5 \pm 0.4\mu$	Micrometer
Ink Thickness	$1.3 \pm 0.4\mu$	Micrometer
Ink Melting Point	199°C (390°F)	Differential Scanning Calorimeter

## DURABILITY OF PRINTED IMAGE

**Label Stock:** Top-coated Polyester

**Print Speed:** 6 IPS

DESCRIPTION	RESULT	TEST METHOD
Print Density	> 1.75	Densitometer
Smudge Resistance	A*	Colorfastness Tester - 100 Cycles @ 500 Grams with Cotton Cloth
Scratch Resistance	A*	Colorfastness Tester - 50 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 =  $\text{mm} \div 25.4$

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.

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*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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