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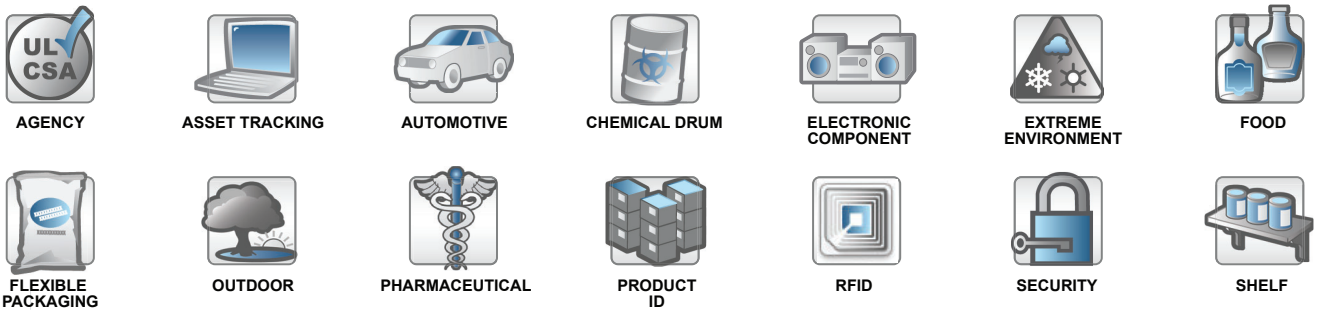
Thermal Transfer Ribbon Technical Data Sheet

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 Applications



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

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Ribbon Properties

Description	Result	Test Method
Ink	Resin	
Color	Black	Visual
Total Thickness	5.8 ± 0.8µ	Micrometer
Base Film Thickness	4.5 ± 0.4µ	Micrometer
Ink Thickness	1.3 ± 0.4µ	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 = 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^2 = MSI X 0.645	MSI = m^2 ÷ 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.

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