DNP

R396

THE POWER OF ONE™

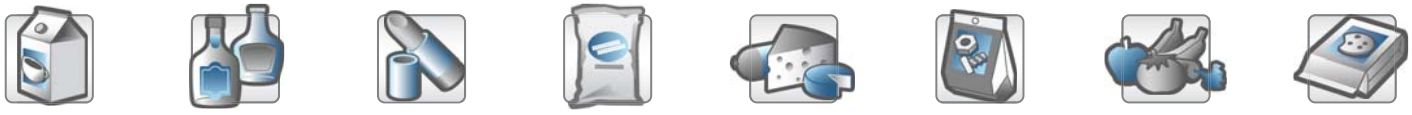
Thermal Transfer Ribbon Technical Data Sheet

R396 High Speed Durable Near Edge Resin

Product Description

R396 boasts print speeds up to 26 IPS (660mm per second) making this ribbon the choice for high-speed flexible packaging applications. In addition to its high performance, R396 surpasses the competition in abrasion resistance and is a viable solution to applications such as parts packaging, medical devices, cosmetics, healthcare, and pharmaceutical. R396 is designed with DNP's standard anti-static and backcoat properties to protect printheads and extend printhead life. And, like all DNP ribbons, R396 is an industry leader in Edge Definition™ producing dark, dense images for improved scan rates.

Recommended Applications



BEVERAGES | CONDIMENTS | COSMETICS | FLEXIBLE PACKAGING | MEATS AND CHEESES | PARTS PACKAGING | PRODUCE | SNACK FOODS

Recommended Substrates

Polypropylene, polyethylene, polyolefin, nylon, polyester films

Performance Characteristics

- Halogen-Free
- Extremely fast print speeds up to 26 IPS (660mm per second)
- Perfect for prime retail flexible packages
- Remarkable image density
- Superior abrasion resistance
- Unbeatable Edge Definition™ for dark, dense images and improved scan rates
- Anti-static for easy handling and extended printhead life
- DNP's specially formulated backcoating for printhead protection

The information on this data sheet was obtained in DNP IMS America 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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Ribbon Properties

Description	Result	Test Method
Ink	Resin	
Color	Black	Visual
Total Thickness	5.45 ± 0.9µ	Micrometer
Base Film Thickness	4.0µ ± 0.5µ	Micrometer
Ink Thickness	1.45 ± 0.4µ	Micrometer
Ink Melting Point	81°C (178°F)	Differential Scanning Calorimeter

Durability of Printed Image

Label Stock: Polypropylene Film Print Speed: 2 to 26 IPS

Description	Result	Test Method
Print Density	> 1.40	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

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