

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



Food & Beverage



Health & Beauty



Pharmaceutical

Recommended Substrates

Economy Synthetics

Polyester
Polypropylene
Polyethylene
Polyolefin

Specialty Materials

Nylon

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

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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



The information on this data sheet was obtained in DNP laboratories. Measured values may vary slightly when tested in a different environment. Information contained within this document is subject to change without notification.