

Thermal Transfer Ribbons

TECHNICAL DATA SHEET



LABELS DIRECT

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 our standard anti-static and backcoat properties to protect printheads and extend printhead life. And, like all of our ribbons, R396 is an industry leader in edge definition producing dark, dense images for improved scan rates.

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
- Specially formulated backcoating for printhead protection

RECOMMENDED APPLICATIONS



BEVERAGES



CONDIMENTS



COSMETICS



FLEXIBLE
PACKAGING



MEATS AND
CHEESES



PARTS
PACKAGING



PRODUCE



SNACK FOOD

R396 High Speed Durable Near Edge Resin

RIBBON PROPERTIES

DESCRIPTION	RESULT	TEST METHOD
Ink	Resin	
Color	Black	Visual
Total Thickness	$5.45 \pm 0.9\mu$	Micrometer
Base Film Thickness	$4.0 \pm 0.5\mu$	Micrometer
Ink Thickness	$1.45 \pm 0.4\mu$	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 = $\text{mm} \div 25.4$

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 m² = $\text{MSI} \times 0.645$

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.

664 Trade Center Blvd.
Chesterfield, MO 63005
Phone Support: 636-458-5156
Toll Free Support: 800-458-5110
Fax: 636-458-5693

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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