

## 500 Plus™ Resin Ribbon

500 Plus™ ribbon produces images, which are resistant to harsh environments, such as smearing, moisture, abrasion, extreme temperatures and chemicals, when printed on synthetic labels and tags. Our 500 Plus™ ribbon has low energy requirements, which make it an excellent choice when printing high-density and high-resolution graphics. This ribbon is UL/CSA recognized when matched with our UL/CSA approved polyester label materials. (For more information on UL/CSA approval, contact your Sales Representative.)

### Ribbon Properties

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Description	Specification	Measure Method
Total Thickness (µm)	6.8 ± 0.5	Micrometer Scale
Base Film Thickness (µm)	4.8 ± 0.4	Micrometer Scale
Ink Thickness (µm)	1.5 ± 0.4	Micrometer Scale
Ribbon Transmission Density	0.75 - 1.25	Densitometer
Print Density	≥1.6	Densitometer

### Durability of Printed Image

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Label Stock: Topcoated White Polyester

Print Speed: 6 Inches Per Second

Test Equipment: Colorfastness Tester

**\*Highly resistant to rubbing with isopropyl alcohol, Formula 409® and mineral spirits.**

Ribbon Tested For	Parameter	Resistance
Smudge Resistance	100 cycles @ 500 grams with cotton cloth	ANSI A
Scratch Resistance	50 cycles @ 200 grams with stainless steel pointed tip	ANSI A

\*ANSI – Represents the American National Standard Institute grade measured at the given conditions. Grade levels are 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.

### Recommended Applications

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- Labels which are repetitively wand-scanned.
- Labels subject to abrasion or friction.
- Chemical container labels.
- Labels exposed to water, alkali or acid solutions.
- Good for use on: steel tags, water heaters, PVC vinyl bags and automotive parts.

As with all ribbons, **LABELTRONIX®** recommends this product be tested thoroughly under end-use conditions to make sure it meets the requirements of the specific application.

*This specification sheet was updated and confirmed as of 2/25/02.*