

Thermal Transfer Ribbons

TECHNICAL DATA SHEET



LABELS DIRECT

R550 Extreme Durable Resin

PRODUCT DESCRIPTION

This ribbon is designed for extreme resistance against most chemicals used in the automotive, chemical, pharmaceutical, electronics and other industries. Enjoy the benefit of printing extremely small, crisp and clearly readable characters with great precision. Next to its extreme durability, this ribbon offers a smooth and complete ink transfer at lower heat settings, which makes it compatible with a broad range of durable substrates.

RECOMMENDED SUBSTRATES

Polyester, polypropylene, polyethylene, PET cards, polyimide, PVC cards, vinyl

PERFORMANCE CHARACTERISTICS

- Halogen-free
- Abrasion resistant
- Heat resistant
- Excellent bar code scannability
- Solvent resistant
- Proprietary backcoat
- Printhead protection

RECOMMENDED APPLICATIONS



ASSET
TRACKING



AUTOMOTIVE



COSMETICS



GENERAL



HEALTHCARE



HORTICULTURE



INVENTORY



LOGISTICS



MEDICAL
DEVICES



OUTDOOR



PHARMACEUTICAL



SHELF



SHIPPING

R550 Extreme Durable Resin

RIBBON PROPERTIES

DESCRIPTION	RESULT	TEST METHOD
Ink	Wax/Resin	
Color	Black	Visual
Total Thickness	$6.5 \pm 0.8\mu$	Micrometer
Base Film Thickness	$4.8 \pm 0.4\mu$	Micrometer
Ink Thickness	$1.7 \pm 0.4\mu$	Micrometer
Ink Melting Point	87°C (188°F)	Differential Scanning Calorimeter

DURABILITY OF PRINTED IMAGE

Label Stock: Polyester

Print Speed: 6 IPS

DESCRIPTION	RESULT	TEST METHOD
Print Density	> 2.20	Densitometer
Smudge Resistance	A*	Colorfastness Tester - 50 Cycles @ 500 Grams with Cotton Cloth
Scratch Resistance	A*	Colorfastness Tester - 20 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 = $\text{m}^2 \div 0.645$

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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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