

Thermal Transfer Ribbons

TECHNICAL DATA SHEET



LABELS DIRECT

R510W Durable White Resin

PRODUCT DESCRIPTION

R510W Durable White Resin offers the same incredible durability as R510 Ultra Durable Resin. This ribbon has unmatched scratch and solvent resistance and has been designed with specially formulated backcoat technology for printhead protection. Like all our ribbons, R510W is an industry leader in edge definition for clean, extremely durable, and dense bar codes.

RECOMMENDED SUBSTRATES

PVC shrink tubing, matt/gloss silver polyester, chrome polyester, clear polyester

PERFORMANCE CHARACTERISTICS

- Halogen-free
- Smudge and scratch resistant
- Resistant to ethanol and isopropanol
- Specially formulated backcoating for printhead protection
- UL recognized
- Industry leading in edge definition for clean, durable, and dense bar codes

RECOMMENDED APPLICATIONS



AGENCY



COLOR



ELECTRICAL
COMPONENT



FLEXIBLE
PACKAGING



RETAIL



SHELF



SIGNAGE



SNACK FOOD

R510W Durable White Resin

RIBBON PROPERTIES

DESCRIPTION	RESULT	TEST METHOD
Ink	Resin	
Color	White	Visual
Total Thickness	$9.3 \pm 0.5\mu$	Micrometer
Base Film Thickness	$4.8 \pm 0.3\mu$	Micrometer
Ink Thickness	$4.5 \pm 0.2\mu$	Micrometer
Ink Melting Point	96°C (205°F)	Differential Scanning Calorimeter

DURABILITY OF PRINTED IMAGE

Label Stock: PVC Shrink Tubing

Print Speed: 6 IPS

DESCRIPTION	RESULT	TEST METHOD
Print Density	< 0.30	Densitometer

*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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