

Thermal Transfer Ribbon Technical Data Sheet

R510HF Ultra Durable Resin

Product Description

Our halogen-free R510^{HF} is one of the toughest resin ribbons on the market. R510^{HF} is the only halogen-free resin ribbon capable of handling extreme environmental labeling with our unmatched scratch and solvent resistance. Designed with our standard anti-static and backcoat properties to protect the printhead, R510^{HF} has unbeatable edge definition for crisp, extremely durable, and dense harsh environmental bar codes.

Recommended Applications

























Recommended Substrates

Top-coated vinyl, polyimide, polyesters, PVC cards, PET cards

Performance Characteristics

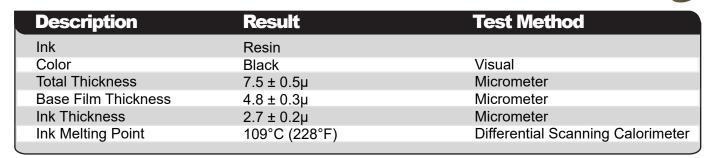
- Halogen-free
- UL recognized
- Unmatched in abrasion and solvent resistance
- High density printing ensuring edge definition
- Anti-static for easy handling and extended printhead life
- · Specially formulated backcoating for printhead protection



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Ribbon Properties



Durability of Printed Image

Label Stock: Top-coated Polyester Print Speed: 6 IPS

Description	Result	Test Method
Print Density	> 1.90	Densitometer
Smudge Resistance	Λ*	Colorfastness Tester - 100 Cycles @
Silludge Nesistance	A*	500 Grams with Cotton Cloth Colorfastness Tester - 50 Cycles @
Scratch Resistance	A*	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) = $m \div 0.3048$	Feet (ft) to Meters (m) = Feet ÷ 3.2808
C° to $F^{\circ} = (1.8 \times C^{\circ}) + 32 = F^{\circ}$	F° to $C^{\circ} = (F^{\circ} \div 1.8) - 17.77$
Thousand square inches (MSI) to m ² = MSI X 0.645	$MSI = m^2 \div 0.645$

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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