DNP

R510 (HF)
Ultra Durable Resin

Technical Data Sheet

Product Description

R510 (HF) is one of the toughest resin ribbons on the market. It's 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 barcodes for harsh environments.

Applications

Automotive	Chemicals	Electronics	Health & Beauty	Inventory & Logistics	Outdoor	Pharmaceutical

Recommended Substrates

Synthetics

✔ Polyesters

Specialty Materials

✔ Polyimide ✔ PET cards

✔ PVC cards ✔ Top-coated vinyl

Performance Characteristics

✔ Heat resistant up to 250°C

✔ Halogen-free

✔ Unmatched in abrasion and solvent resistance

✔ High density printing ensuring edge definition

✔ Anti-static for easy handling and extended printhead life

✔ DNP's specially formulated backcoating for printhead protection

More Info

RIBBON PROPERTIES

Description	Result	Test Method
Ink	Resin	
Color	Black	Visual
Total Thickness	6.9 ± 0.9µ	Weight
Base Film Thickness	4.5 ± 0.4µ	Weight

DURABILITY OF PRINTED IMAGE

Description	Result	Test Method
Print Density	> 1.90	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

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

*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.

The information on this data sheet was obtained in DNP laboratories. Measured values may vary slightly when tested in a different environment. Information contained within this document is subject to change without notification.