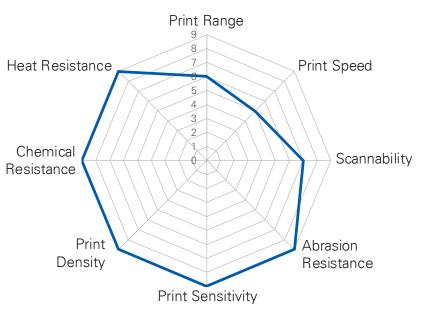
DNP Technical Data Sheet

R510(HF) Ultra Durable Resin

Product Description

- ▶ 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

Performance Characteristics



Recommended Applications



Automotive

Electronics

Outdoors





Pharma and Healthcare

Inventory and Logistics



Chemicals

Recommended Substrates

Synthetics	
PP	
PE	
PET	

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R510(HF) Ultra Durable Resin

Ribbon Properties

Description	Result	Test Method	
Ink Type	Resin		
Colour	Black	Visual	
Total Thickness	7.5 ± 0.5 μm	Weight	
Base Film Thickness	4.8 ± 0.3 µm	Weight	
Ink Thickness	2.7 ± 0.2 µm	Weight	

Durability of Printed Image

Label Stock: Topcoated Polyester

Print Speed: 6 IPS

Description	Result	Test Method	
Print Density	> 1.90	Densitometer	
Smudge Resistance	A*	Colorfastness Tester - 100 Cycles at 500 Grams with Cotton Cloth	
Scratch Resistance	A*	Colorfastness Tester - 50 Cycles at 200 Grams with Stainless Steel Pointed Tip	
*American National Standard Institute (ANSI) Crade Levels A. P. C. D. and E. where A is evenlant			

*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.

Compliance Certifications





The information on this data sheet was obtained in DNP laboratories and is subject to change without notification. Please note that measured values may vary slightly when tested in a different environment.

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