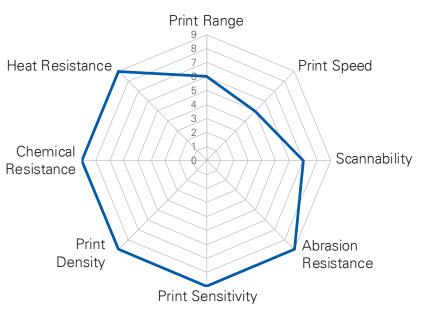
# DNP Technical Data Sheet

## 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**



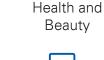
#### **Recommended Applications**



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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