# DNP

# **R550**

Extreme Durable Resin

**Technical Data Sheet** 



## **Product Description**

R550 is designed for extreme resistance against most chemicals used in the automotive, chemical, pharma, electronics and other industries. Enjoy the benefit of printing extremely small, crisp and clearly readable characters with great precision. Next to its extreme durability, R550 offers a smooth ink transfer at lower heat settings, which makes R550 compatible to a broad range of durable substrates.

# **Applications**



**Automotive** 



Chemicals



**Electronics** 

Polyesters



Health & Beauty



**Inventory &** Logistics



Outdoor



**Pharmaceutical** 

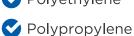


Security

#### **Recommended Substrates**

#### **Synthetics**

Polyethylene



### **Specialty Materials**

Polyimide



PVC cards Vinyls



#### **Performance Characteristics**

Unique high abrasion and solvent resistance

Excellent readability of small characters

✓ High-density printing ensuring edge definition

Easy to use at medium printer heat settings

Anti-static for easy handling and extended print head life

DNP's specially formulated backcoating for print head protection





RIBBON PROPERTIES			
Description	Result	Test Method	
Ink	Resin		
Color	Black	Visual	
Total Thickness	6.5 ± 0.9µ	Weight	
Base Film Thickness	4.5 ± 0.4µ	Weight	

DURABILITY OF PRINTED IMAGE		
Description	Result	Test Method
Print Density	> 2.07	Densitometer
Smudge Resistance	A*	Colorfastness Tester - 400 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: 4 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.

