

DNP

VR301

Durable Metallic
Color Resin

Technical Data Sheet



Product Description

DNP's VR301 offers the same incredible durability as our R510 Ultra Durable Resin. VR301 is available in metallic gold and silver and is the industry's toughest color resin ribbon. With DNP's unmatched scratch and solvent resistance, this ribbon is perfect for card printing applications due to its ability to handle extreme environmental conditions.

Standard Colors



Gold



Silver

Applications



Automotive



Chemicals



Electronics



Inventory &
Logistics



Outdoor

Recommended Substrates

Synthetics

- ✓ Pretreated PET label stocks
- ✓ Synthetic label stocks
- ✓ PVC labels

Specialty Materials

- ✓ PVC cards
- ✓ PET cards

Performance Characteristics

- ✓ Abrasion Resistant
- ✓ High Density
- ✓ Printhead Protection
- ✓ SmoothCoat® Backcoat
- ✓ Solvent Resistant
- ✓ Scratch Resistant

More Info



RIBBON PROPERTIES

Description	Result	Test Method
Ink	Resin	
Color	Metallic Gold or Silver	Visual
Total Thickness	7.15 ± 0.7μ	Micrometer
Base Film Thickness	5.7 ± 0.3μ	Micrometer

DURABILITY OF PRINTED IMAGE

Description	Result	Test Method
Print Density	> -	Densitometer
Smudge Resistance	A*	Colorfastness Tester - 100 Cycles @ 400 Grams with Cotton Cloth
Scratch Resistance	A*	Colorfastness Tester - 50 Cycles @ 380 Grams with Stainless Steel Pointed Tip

Label Stock: PET WH50 (Lintec)

Print Speed: 2 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.

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