DNP Technical Data Sheet

UV Resin Ribbon Ultra Violet Resin

Product Description

DNP's UV Resin ribbons offer a covert feature for higher levels of security. This ribbon is almost invisible to the naked eye and will only fluoresce under ultra violet lighting. This product is ideal for applications where the end user does not want their solutions known in the public domain.

Recommended Applications



Retail

Recommended Substrates

Paper	Synthetic papers
	Mirror coated papers
Economy Synthetics	Coated PET label stocks

Performance Characteristics

- ► Ribbon glows under UV / blacklight
- ► Printings are revealed under UV / blacklight
- ► Good compatibility with filmic labels or cards
- ► Printable on glossy paper

Special storage conditions

Avoid any light (both sunlight and electric light) as much as possible

for more info!

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Ribbon Properties

Description	Result	Test Method
Ink	Resin	
Color	Transparence	
Total Thickness	6.2 ± 0.8µ	Micrometer
Base Film Thickness	4.8 ± 0.3µ	Micrometer
Ink Thickness	1.4 ± 0.5µ	Micrometer
Ink Melting Point	70°C (158°F)	Differential Scanning Calorimeter
Light wave length	365 nm	

Durability of Printed Image

Label Stock: PETWH50 Print Speed: 4 IPS

Description	Result	Test Method
Print Density		
Smudge Resistance	A*	Colorfastness Tester - 50 Cycles @ 500 Grams with Cotton Cloth
Scratch Resistance	A*	Colorfastness Tester - 20 Cycles @ 200 Grams with Stainless Steel Pointed Tip

*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.

Conversion Chart

Millimeters (mm) to Inches = mm ÷ 25.4	Inches to Millimeters (mm) = Inches ÷ 0.03937
Meters (m) to Feet (ft) = m ÷ 0.3048	Feet (ft) to Meters (m) = Feet ÷ 3.2808
C° to F°= (1.8 X C°) + 32 = F°	F° to C° = (F° ÷ 1.8) - 17.77
Thousand square inches (MSI) to m^2 = MSI X 0.645	MSI = m^2 ÷ 0.645

OHSAS 18001 ISO 9001 ISO 14001 REACH COMPLIANCE RoHS 2 COMPLIANT

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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