

# DNP

## DSM

### DS Series Wax Resin

## Technical Data Sheet



### Product Description

DSM is the first universal product to combine the flexibility of an all-purpose ribbon with the durability of a wax/resin ribbon. DSM's unsurpassed technology provides the darkest, most durable image possible from a general-purpose ribbon. It allows you to gain additional wax/resin ribbon business with an economical product.

### Applications



Inventory & Logistics



Outdoor



Pharmaceutical



Retail

### Recommended Substrates

#### Paper

- ✓ Coated/uncoated paper & tag stocks
- ✓ Synthetic paper

#### Synthetics

- ✓ Polypropylene
- ✓ Polyolefin
- ✓ Top-coated vinyl
- ✓ Valeron®
- ✓ Polyethylene

#### Specialty Materials

- ✓ Tyvek®
- ✓ Teslin®
- ✓ Tyvek Brillion®
- ✓ AlphaMAX®

### Performance Characteristics

- ✓ Ideal for printing on spot-coated and flood-coated labels
- ✓ Prints at high speeds (12 IPS) delivering crisp, rotated bar codes
- ✓ Features DNP's SmoothCoat™ backcoat
- ✓ Eliminates the cost of special varnishes
- ✓ Prints at high resolutions (400 dpi+)
- ✓ Unbeatable edge definition for dark, dense images and improved scan rates
- ✓ Anti-static for easy handling and extended printhead life

More Info



## RIBBON PROPERTIES

Description	Result	Test Method
Ink	Wax Resin	
Color	Black	Visual
Total Thickness	8.0 ± 0.5μ	Micrometer
Base Film Thickness	4.8 ± 0.3μ	Micrometer

## DURABILITY OF PRINTED IMAGE

Description	Result	Test Method
Print Density	> 1.80	Densitometer
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

Label Stock: Coated Paper

Print Speed: 6 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.

## DNP IMAGINGCOMM ASIA SDN. BHD.

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