

# DNP

## TR4500

Premium Near Edge  
Wax/Resin

### Technical Data Sheet



#### Product Description

Part of a complete line of superior-performing near edge product solutions, TR4500 is the best ribbon on the market for thermal transfer printers equipped with near edge or corner edge printheads. TR4500 is designed with DNP's specially formulated backcoat technology for printhead protection as well as DNP's exclusive anti-static properties for easy handling and extra printhead protection. This ribbon prints dark images at high speeds and low energy settings on a wide variety of label and tag stocks from paper to low-end synthetics.

#### Applications



Food &  
Beverage



Health &  
Beauty



Inventory &  
Logistics



Outdoor



Pharmaceutical



Retail

#### Recommended Substrates

##### Paper

- ✓ Coated paper
- ✓ Uncoated paper
- ✓ Coated tag
- ✓ Uncoated tag
- ✓ Gloss paper

##### Synthetics

- ✓ Kimdura®
- ✓ Polyolefin
- ✓ Polyart®
- ✓ Valeron®
- ✓ Polyethylene

##### Specialty Materials

- ✓ Tyvek®
- ✓ Tyvek Brillion®

#### Performance Characteristics

- ✓ Halogen-Free
- ✓ Prints excellent images on a wide variety of label and tag stocks
- ✓ Anti-static for easy handling and extended printhead life
- ✓ DNP's specially formulated backcoating for printhead protection
- ✓ Unbeatable edge definition for dark, dense images and improved scan rates

More Info



## RIBBON PROPERTIES

Description	Result	Test Method
Ink	Wax/Resin	
Color	Black	Visual
Total Thickness	8.2 ± 0.5μ	Micrometer
Base Film Thickness	4.8 ± 0.3μ	Micrometer

## DURABILITY OF PRINTED IMAGE

Description	Result	Test Method
Print Density	> 1.86	Densitometer
Smudge Resistance	A*	Colorfastness Tester - 100 Cycles @ 500 Grams with Cotton Cloth
Scratch Resistance	A*	Colorfastness Tester - 50 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.

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