DNP Technical Data Sheet

TR4500 Premium Near Edge Wax/Resin

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.

Recommended Applications


Food & Beverage


Health & Beauty


Inventory & Logistics


Outdoor


Pharmaceutical


Retail

Recommended Substrates

Paper	Coated paper
	Coated tag
	Gloss paper
	Uncoated paper
	Uncoated tag
Economy Synthetics	Kimdura®
	Polyart®
	Polyethylene
	Polyolefin
	Valeron®
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

for more info!

DNP Imagingcomm Europe B.V
Oudeweg 42, 2031CC Haarlem, the Netherlands
T: +31 (0)23 553 30 60
E: sales@dnp.imgcomm.eu
eu.dnpribbons.com

DNP Technical Data Sheet

TR4500 Premium Near Edge Wax/Resin

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
Ink Thickness	3.4 ± 0.2µ	Micrometer
Ink Melting Point	84°C (183°F)	Differential Scanning Calorimeter

Durability of Printed Image

Label Stock: Coated Paper Print Speed: 6 IPS

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

*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 PRODUCT SAFETY ISEGA WITH LETTER AND SEAL

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 Europe B.V
Oudeweg 42, 2031CC Haarlem, the Netherlands
T: +31 (0)23 553 30 60
E: sales@dnp.imgcomm.eu
eu.dnpribbons.com