



JPN500

Standard Wax



Technical Data Sheet

Product Description

JPN500 is a standard wax ribbon that has been recognized by customers worldwide for over a decade. It offers resin-enhanced image quality, broad substrate compatibility, and an affordable price. JPN500's low energy consumption and enhanced backcoating help protect printheads substantially, effectively extending their service life. JPN500 is the perfect choice for general-purpose wax ribbon applications, providing excellent print quality, graphics, and barcode clarity at substantial savings. When compared to other general-purpose wax ribbons, JPN500 prints at lower energy settings, creates a darker image, and provides higher durability, all while printing in excess of 3+ million linear inches.

Applications



Inventory &
Logistics



Retail



Textile Garment

Recommended Substrates

Paper

- ✓ Coated tag stock
- ✓ Uncoated tag stock
- ✓ Gloss paper
- ✓ Synthetic paper

- ✓ Coated paper
- ✓ Uncoated paper
- ✓ Flood-coated paper

Synthetics

- ✓ Polypropylene
- ✓ Polyethylene
- ✓ Polyolefin

Specialty Materials

- ✓ Kimdura®
- ✓ Valeron®

Performance Characteristics

- ✓ Suitable for a wide range of applications
- ✓ Excellent print quality at high speeds (up to 8 IPS) using less print energy
- ✓ Intense darkness and impeccable sharpness in printed image
- ✓ Up to 60°C heat resistance
- ✓ Specially formulated backcoating for printhead protection



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RIBBON PROPERTIES

| Description | Result | Test Method |
|---------------------|------------|-------------|
| Ink | Wax | |
| Color | Black | Visual |
| Total Thickness | 8.8 ± 0.3μ | Micrometer |
| Base Film Thickness | 4.5 ± 0.1μ | Micrometer |

DURABILITY OF PRINTED IMAGE

| Description | Result | Test Method |
|--------------------|--------|--|
| Print Density | > 1.75 | Spectro-Densitometer |
| Smudge Resistance | A* | Slight exposure – 30 Cycles @ 680 Grams weight load |
| Scratch Resistance | A* | Slight exposure – 10 Cycles @ 680 Grams weight load |

*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 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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