



# JPN680

## Premium Enhanced Wax

### Technical Data Sheet



#### Product Description

Experience top-tier performance with JPN680, the premium enhanced wax ribbon tailored to meet the exacting standards of diverse industries. Boasting a low printing temperature and robust scratch resistance, JPN680 ensures durability and energy efficiency. Its outstanding scratch resistance, coupled with low printing energy consumption and superior printing quality, positions it as the ideal solution across various fields. This cost-effective enhanced wax ribbon excels in substrate compatibility and offers exceptional sensitivity and definition, making it the perfect choice for general-purpose applications. JPN680 outshines its counterparts, printing at lower energy settings, creating darker images, and delivering heightened durability, with a capacity exceeding 3 million linear inches.

#### Applications



Food & Beverage



Health & Beauty



Inventory & Logistics



Pharmaceutical



Retail

#### Recommended Substrates

##### Paper

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

##### Synthetics

- ✓ Polypropylene
- ✓ Polyethylene
- ✓ Polyolefin

##### Specialty Materials

- ✓ Kimdura®
- ✓ Valeron®

#### Performance Characteristics

- ✓ High-Speed Printing (8 Ips)
- ✓ Excellent Scratch Resistant
- ✓ Excellent Smudge Resistant
- ✓ Enhanced Backcoat Technology
- ✓ Perfect Sharpness
- ✓ Low Printing Energy Consumption
- ✓ 2.2 ODR Printing Darkness



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**RIBBON PROPERTIES**

Description	Result	Test Method
Ink	Wax	
Color	Black	Visual
Total Thickness	8.2 ± 0.3μ	Micrometer
Base Film Thickness	4.5 ± 0.1μ	Micrometer

**DURABILITY OF PRINTED IMAGE**

Description	Result	Test Method
Water Resistance Test	No significantly faded	Soaked in water at 100°C for 2 hours
Low Temperature Test	No significantly fallen of	Placed in a closed cold box at -17°C for 20 hours
Smudge Resistance	A*	Slight exposure – 100 Cycles @ 680 Grams weight load
Scratch Resistance	A*	Slight exposure – 150 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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