JPN780

Premium Wax Resin

Technical Data Sheet

Product Description

JPN780 delivers exceptional performance for harsh environments and demanding applications. This wax/resin formulation prints deep black, high-resolution barcodes and variable information with razor-sharp clarity and edge definition. Its exceptional scratch and smudge resistance ensures printed images remain pristine, while eliminating label retrack issues during printing. JPN780 excels on a wide range of receiving materials, including coated and uncoated paper labels and tags, varnished label stock, and even flood-coat substrates, making it the ideal choice for extreme printing applications.

Applications

- Retail
- Inventory & Logistics
- Food & Beverage
- Health & Beauty
- Outdoor

Recommended Substrates

Paper

- ☑ Coated Paper
- ☑ Coated Tag
- ☑ Gloss
- ☑ Uncoated Paper
- ☑ Uncoated Tag

Synthetics

- ☑ Polyethylene
- ☑ Polyolefin
- ☑ Polypropylene

Specialty Materials

- ☑ Polystyrene
- ☑ Tyvek Brillion®
- ☑ Top-coated Vinyl
- ☑ Tyvek®

Performance Characteristics

- ☑ Halogen-free
- ☑ Anti-static for easy handling
- ☑ Excellent abrasion resistance
- ☑ Excellent UV resistance level
- ☑ Prints on an extensive variety of substrates expanding application options

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RIBBON PROPERTIES

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

DURABILITY OF PRINTED IMAGE

Description	Result	Test Method
Print Density	> 1.85	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.

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