

DNP Technical Data Sheet

✓300

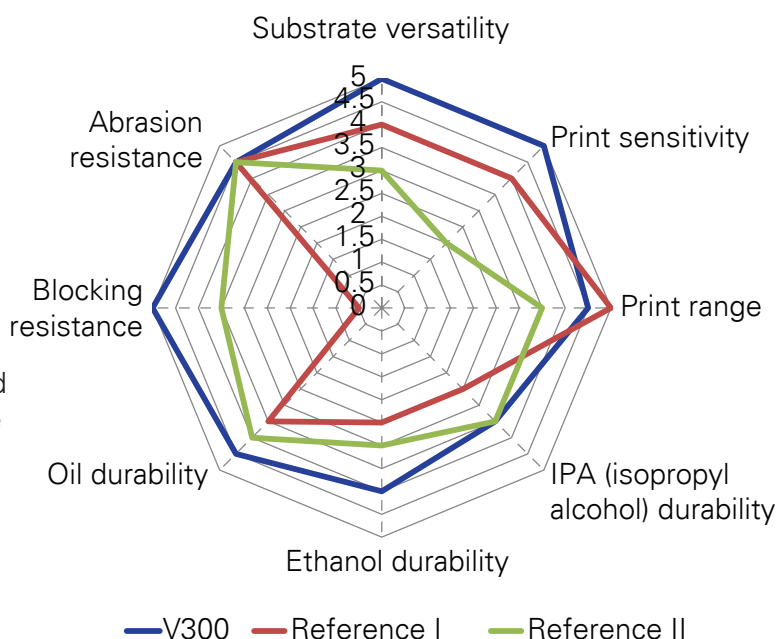
VERSATILITY SERIES

The most versatile resin ribbon for flat-head printers

Product Description

- ▶ The most versatile resin ribbon printing on a wide variety of substrates improving productivity
- ▶ High print sensitivity saving energy and allowing for a longer print head lifecycle
- ▶ Capability of printing in a broad area of heat settings, allowing for better efficiency
- ▶ Outstanding IPA (isopropyl alcohol), ethanol and oil resistance, offering high quality prints where durability is key
- ▶ Excellent blocking resistance allowing for no issues with ink transferring to the ribbon back-coating, assuring for problem-free print results and saving the print head against wear-off
- ▶ Great abrasion resistance making it a great solution for item tracking where lasting readability is required

Performance Characteristics



The graph showcases an average of results based on tests printed with Zebra 140xi4, SATO408Rex, on PET, PP and paper

Recommended Industries



Food and Beverage



Health and Beauty



Pharma and Healthcare



Chemicals



Outdoors



Automotive



Electronics

Recommended Substrates

Synthetics

PP	● ● ●
PE	● ● ●
PET	● ● ●

Paper

Vellum	●
Uncoated paper	●
Coated paper	● ●

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Ribbon Properties

Description	Result	Test Method
Ink Type	Resin	
Colour	Black	
Total Thickness	5.8 ± 0.8 µm	Weight
Base Film Thickness	4.5 ± 0.4 µm	Weight
Ink Thickness	1.3 ± 0.4 µm	Weight

Durability of Printed Image

Label Stock: Fasson PET

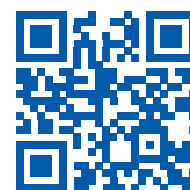
Print Speed: 6 IPS

Printer Used: Zebra 140xi4

Description	Result	Test Method
Print Density	> 1.50	Densitometer
Abrasion Resistance	A*	Colorfastness tester - 100 cycles / 800 grams with cardboard
IPA Resistance	A*	Colorfastness tester - 100 cycles / 200 grams
Ethanol Resistance	A*	Colorfastness tester - 100 cycles / 200 grams
Oil Resistance	A*	Colorfastness tester - 100 cycles / 500 grams
Heat Resistance	173°C (343°F)	Densitometer

*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.

Confirmation Certificates



[Learn more!](#)

*For more information on the visual evaluation contact our customer support department.

The information on this data sheet was obtained in DNP laboratories and is subject to change without notification. Please note that measured values may vary slightly when tested in a different environment.