

DNP Technical Data Sheet

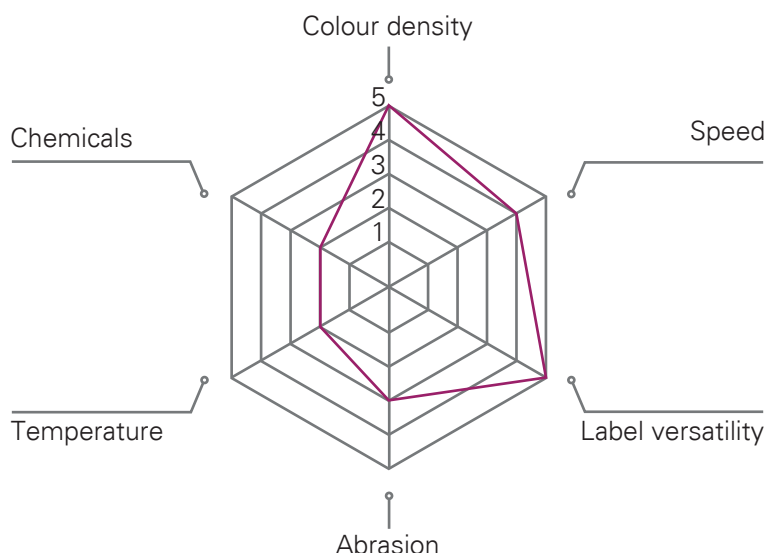
✓ TR4085plus[®] Resin-Enhanced Wax



Product Description

- ▶ High print sensitivity saving energy and allowing for a longer print head lifecycle
- ▶ High edge definition allowing for sharp, readable barcodes
- ▶ Excellent smudge and scratch resistance
- ▶ High speed printability
- ▶ Ability to print on a wide range of materials
- ▶ Outstanding print density ensuring deep dark prints

Performance Characteristics



Recommended Applications



Food &
Beverage



Health &
Beauty



Inventory &
Logistics



Pharma &
Healthcare



Textile



Electronics

Recommended Substrates

Paper

Vellum	● ● ●
Uncoated paper	● ● ●
Coated paper	● ● ●

Synthetics

PP	● ● ○
PE	● ● ○
PET	● ● ○

✓ TR4085plus[®] Resin-Enhanced Wax



Ribbon Properties

Description	Result	Test Method
Ink Type	Wax (resin enhanced)	
Colour	Black	Visual
Total Thickness	8.0 ± 0.5 µm	Weight
Base Film Thickness	4.8 ± 0.3 µm	Weight
Ink Thickness	3.2 ± 0.2 µm	Weight

Durability of Printed Image

Label Stock: Coated paper

Print Speed: 6 IPS

Description	Result	Test Method
Print Density	> 1.80	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

*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.

Compliance Certifications



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.



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