M295HD 4.0 High Density Print-on-Packaging Wax/Resin

Product Description*

► **Increased efficiency:**
► Long-length ribbon possibility due to thinner total ribbon thickness

► Higher-speed printability (up to 36 IPS)

► Easier printability due to broader print window and improved ink release

► **Increased sustainability:**
► Less plastic waste due to thinner base-film

► **Outstanding print quality:**
► Superb colour denisty and small font printability

► **Increased print-head life:**
► Higher print sensitivity saving energy and allowing for a longer print head lifecycle

►Anti-static back coating: easy handling, clean prints and extended printhead life

* These results are in comparison to DNP's M295HD 4.5 micron version.

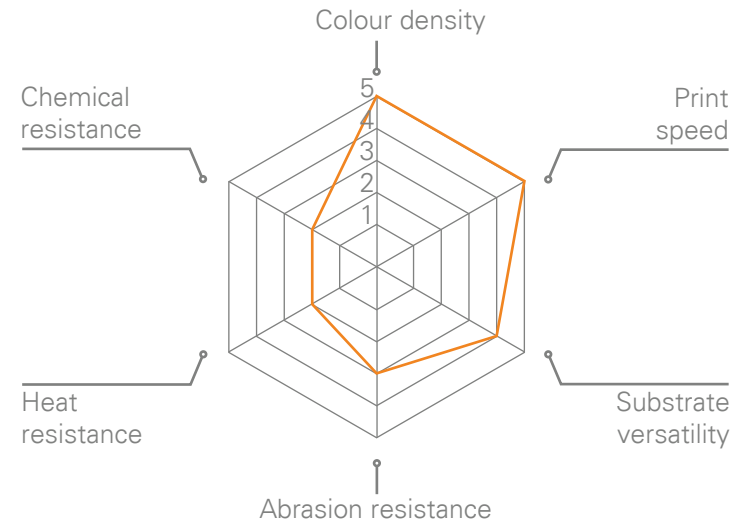### Recommended Applications

Food and Beverage	Pharma and Healthcare	Health and Beauty

Performance Characteristics

Recommended Substrates

Synthetics					
PP	●	●	●	●	●
PE	●	●	●	●	○
PET	●	●	●	●	●

Paper					
Vellum	●	●	○	○	○
Uncoated paper	○	○	○	○	○
Coated paper	●	●	●	●	○

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Ribbon Properties

Description	Result	Test Method
Ink Type	Wax/resin	
Colour	Black	Visual
Total Thickness	5.6 ± 0.8 µm	Weight
Base Film Thickness	4.0 ± 0.4 µm	Weight
Ink Thickness	1.6 ± 0.4 µm	Weight
Printer compatibility	Near-edge	
Halogen-free	Yes	

Durability of Printed Image

Label Stock: OPP/CPP-film   **Print Speed:** 10-36 IPS   **Printer Used:** Markem SD X60

Description	Result	Test Method
Print Density	> 1.90	Densitometer
Smudge Resistance	A*	Colorfastness Tester - 100 Cycles @ 500 Grams with Cotton Cloth
Scratch Resistance	A*	Colorfastness Tester - 50 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.
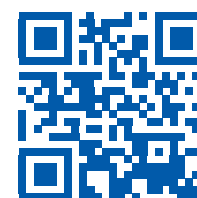
Learn more!

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.