



## Thermal Transfer Ribbon Technical Data Sheet

### M295 Plus Specialty Near Edge Wax/Resin

#### Product Description

M295 Plus is the next generation of near edge ribbon for the flexible packaging industry! This enhanced ribbon prints at speeds up to 26 IPS (660mm per second) making it extremely desirable for high-speed flexible packaging applications. M295 Plus also outperforms the competition in adherence of the ink to a variety of substrates resulting in remarkable durability and amazing image density that creates crisp, black images. M295 Plus is a diverse ribbon offering solutions for an assortment of flexible packaging applications including snack foods, beverages, produce, healthcare, parts packaging, and cosmetics.

#### Recommended Applications



BEVERAGES



CONDIMENTS



COSMETICS



FLEXIBLE PACKAGING



HEALTHCARE



MEATS AND CHEESES



MEDICAL DEVICES



PARTS PACKAGING



PHARMACEUTICAL



PRODUCE



SNACK FOODS

#### Recommended Substrates

Polypropylene, polyethylene, polyolefin, nylon, polyester films

#### Performance Characteristics

- Halogen-Free
- Extremely fast print speeds up to 26 IPS (660mm per second)
- Perfect for prime retail flexible packages
- Remarkable image density
- Unbeatable Edge Definition™ for dark, dense images and improved scan rates
- Anti-static for easy handling and extended printhead life
- DNP's specially formulated backcoating for printhead protection

*The information on this data sheet was obtained in DNP America laboratories. Measured values may vary slightly when tested in a different environment. Information contained within this document is subject to change without notification.*

Visit us at [www.dnpribbons.com](http://www.dnpribbons.com)

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**DNP Global Locations**

USA

Japan

Netherlands

Singapore



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#### Ribbon Properties

Description	Result	Test Method
Ink	Wax/Resin	
Color	Black	Visual
Total Thickness	6.3 ± 0.5µ	Micrometer
Base Film Thickness	4.8 ± 0.3µ	Micrometer
Ink Thickness	1.5 ± 0.2µ	Micrometer
Ink Melting Point	82°C (180°F)	Differential Scanning Calorimeter

#### Durability of Printed Image

Label Stock: Polypropylene Film

Print Speed: 2 to 26 IPS

Description	Result	Test Method
Print Density	> 1.20	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.

#### Conversion Chart

Millimeters (mm) to Inches = mm ÷ 25.4	Inches to Millimeters (mm) = Inches ÷ 0.03937
Meters (m) to Feet (ft) = m ÷ 0.3048	Feet (ft) to Meters (m) = Feet ÷ 3.2808
C° to F° = (1.8 X C°) + 32 = F°	F° to C° = (F° ÷ 1.8) - 17.77
Thousand square inches (MSI) to m <sup>2</sup> = MSI X 0.645	MSI = m <sup>2</sup> ÷ 0.645

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