



**PRODUCTS**

**WAX**

- W110 General Purpose Wax
- W137 Premium Plus Wax

**WAX/RESIN**

- M250 Premium Plus Wax/Resin

**RESIN**

- R300 General Purpose Resin
- R316 Specialty Resin
- R340 Permanent Care Resin
- R510 Ultra Durable Resin

**NEAR EDGE**

- W190 Near Edge Wax
- M290 Near Edge Wax/Resin
- M299 Near Edge Wax/Resin
- R390 Near Edge Resin

**COLORS & METALLICS**

- W120C General Color Wax
- R316C Specialty Color Resin
- R510C Durable Color Resin

## Near Edge

### W190 Near Edge Wax

W190 is DNP's economical wax ribbon specifically designed for high speed near edge printing. W190 prints at extremely low energy settings and offers excellent image durability. This ribbon leads the industry in Edge Definition™ creating durable, clean, and dense bar codes and is specially formulated with DNP's exclusive backcoating technology for printhead protection.

#### Recommended Applications

- GENERAL
- SHIPPING
- INVENTORY
- LOGISTICS
- SHELF
- FLEXIBLE PACKAGE
- HORTICULTURE
- PHARMACEUTICAL
- RETAIL

#### Recommended Substrates

Coated/uncoated paper, synthetic paper, polyethylene, polypropylene, polyolefin, Kimdura®, Valeron®, Polyart®

### M290 Near Edge Wax/Resin

Our M290 offers incredible abrasion and solvent resistance across a variety of wax/resin applications for near edge printing. M290 is a high-speed ribbon printing extremely crisp, durable, and dense bar codes on an expanded range of substrate materials associated with near edge printing.

#### Recommended Applications

- EXTREME ENVIRONMENT
- GENERAL
- INVENTORY
- LOGISTICS
- HEALTHCARE
- ASSET TRACKING
- RETAIL
- TEXTILE
- SHELF
- AUTOMOTIVE
- HORTICULTURE

#### Recommended Substrates

Coated/uncoated paper, synthetic paper, polyethylene, polypropylene, polyolefin, polyester, Kimdura®, Valeron®, Polyart®

### M299 Near Edge Wax/Resin

M299 is designed for specialty high-heat and steam resistant wax/resin applications. This is an amazingly fast ribbon with print speeds greater than 12 IPS and withstanding temperatures up to 180°C (356°F). M299 also features DNP's standard anti-static and backcoat properties for printhead protection.

#### Recommended Applications

- EXTREME ENVIRONMENT
- GENERAL
- INVENTORY
- LOGISTICS
- HEALTHCARE
- ASSET TRACKING
- RETAIL
- TEXTILE
- SHELF
- AUTOMOTIVE
- HORTICULTURE

#### Recommended Substrates

Coated/uncoated paper, synthetic paper, polyethylene, polypropylene, polyolefin, polyester, Kimdura®, Valeron®, Polyart®

### R390 Near Edge Resin

R390 offers the same quality resin printing as the popular R300 for near edge applications. R390 is extremely versatile on a wide variety of substrates and also prints at high speeds for increased productivity. It out performs the competition in abrasion and solvent resistance, and contains DNP's specially formulated backcoat technology for printhead protection.

#### Recommended Applications

- EXTREME ENVIRONMENT
- AUTOMOTIVE
- ASSET TRACKING
- AGENCY
- CHEMICAL DRUM
- HAZARDOUS MATERIALS
- HEALTHCARE
- PHARMACEUTICAL
- ELECTRONIC COMPONENTS
- SHELF

#### Recommended Substrates

Synthetic paper, polyester, polyethylene, polypropylene, polyolefin, PVC cards, vinyl

**Contact DNP**

1.800.814.4672  
www.dnpribbons.com

**NEAR EDGE**

**TECHNICAL DATA SHEET**

**PERFORMANCE OF PRINTED IMAGE - W190**

DESCRIPTION		TECHNICAL SPECIFICATIONS
Test Method		Crockmeter
Abrasion Resistance Test		50 cycles @ 900g covered with cloth*
Solvent Resistance Test	WATER	85 cycles @ 248g covered with cloth*
Heat Resistance		<170°C (<338°F)
Print Speed Range		2 to 10 IPS

**PERFORMANCE OF PRINTED IMAGE - M290**

DESCRIPTION		TECHNICAL SPECIFICATIONS
Test Method		Crockmeter
Abrasion Resistance Test		150 cycles @ 900g covered with cloth*
Solvent Resistance Test	WATER	500 cycles @ 248g covered with cloth*
	IPA	10 cycles @ 248g covered with cloth*
Heat Resistance		<80°C (<176°F)
Print Speed Range		4 to 12 IPS

**PERFORMANCE OF PRINTED IMAGE - M299**

DESCRIPTION		TECHNICAL SPECIFICATIONS
Test Method		Crockmeter
Abrasion Resistance Test		500 cycles @ 900g covered with cloth*
Solvent Resistance Test	WATER	500 cycles @ 248g covered with cloth*
	BRAKE FLUID	10 cycles @ 248g covered with cloth*
Heat Resistance		<180°C (<356°F)
Print Speed Range		4 to 12 IPS

**PERFORMANCE OF PRINTED IMAGE - R390**

DESCRIPTION		TECHNICAL SPECIFICATIONS
Test Method		Crockmeter
Abrasion Resistance Test		500 cycles @ 900g covered with cloth*
Solvent Resistance Test	WATER	500 cycles @ 248g covered with cloth*
	KEROSENE	200 cycles @ 248g covered with cloth*
	IPA	50 cycles @ 248g covered with cloth*
Heat Resistance		<170°C (<338°F)
Print Speed Range		2 to 12 IPS

\*Highest number of cycles where ANSI grade B or better can still be scanned.  
All information on data sheet generated at DNP laboratories worldwide. DNP reserves the right that measured values may vary slightly when tested under different environments. Information subject to revisions without notification.

Quality Systems  
ISO Registered



QUALITY SYSTEM  
REGISTERED TO  
ISO 9002



F-NE1001

**NEAR EDGE**

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