



W137 PREMIUM PLUS WAX Thermal Transfer Ribbon

Product Description

W137 is DNP's premier wax, and more durable than the popular W110. W137 offers high speed and high resolution printing for a wide variety of applications. Like every ribbon in the DNP family, W137 leads the industry in Edge Definition™ for clean, durable, and dense bar codes. W137 is also designed with DNP's standard anti-static and back coat properties for print head 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®

Performance Characteristics

- Increased durability
- Extensive label adaptability for expanded application options
- Excellent print quality for high-speed printing
- Anti-static for easy handling and print head protection
- Industry leading in Edge Definition™ for clean, durable, and dense bar codes
- DNP's specialty formulated back coating for print head protection

THE DAI NIPPON PRINTING GROUP

DNP is the largest manufacturer of thermal transfer ribbons for facsimile machines, bar code and dye-sublimation printers. DNP is also the world's largest diversified printing/coating technologies company. At its 40 plants, both in Japan and overseas, DNP's operations include commercial printing, packaging, decorative materials, electronics, business forms and information media supplies. DNP is a Global Fortune 500 company with \$13 billion in annual revenue.

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

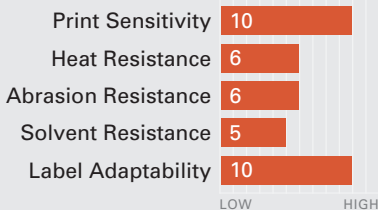
NEAR EDGE

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

COLORS & METALLICS

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

W137 PROPERTIES



Contact DNP

1.800.814.4672

www.dnpribbons.com

WAX

THE WORLD'S LARGEST THERMAL
TRANSFER RIBBON MANUFACTURER

TECHNICAL DATA SHEET

RIBBON SPECIFICATIONS

DESCRIPTION	TECHNICAL SPECIFICATIONS
Ink	Wax
Color	Black
Ink Thickness	2.6 ± 0.4μ
Base Film Thickness	4.5μ
Ribbon Thickness	9.4 ± 0.7μ
Ink Melting Point	68°C – 70°C (154.4°F – 158.0°F)
Print Density	>1.7

PERFORMANCE OF PRINTED IMAGE

DESCRIPTION	TECHNICAL SPECIFICATIONS
Tested Substrate	Fasson® Trans-Therm® IC
Test Method	Crockmeter
Abrasion Resistance Test	45 cycles @ 900g covered with cloth*
Solvent Resistance Test	WATER 1000 cycles @ 248g covered with cloth*
	IPA 1000 cycles @ 248g covered with cloth*
	BRAKE FLUID 1000 cycles @ 248g covered with cloth*
Heat Resistance	<70°C (<158°F)
Print Speed	2 to 12 IPS

CONVERSION CHART

mm to in.	(mm ÷ 25.4)	in. to mm	(in. ÷ 0.03937)
m to ft.	(m ÷ 0.3048)	ft. to m	(ft. ÷ 3.2808)
C° to F°	[(1.8 x C°) + 32]	F° to C°	[(F° ÷ 1.8) – 17.777]
in. to m	(MSI ÷ 0.645)	m ² to MSI	(m ² x 0.645)

RIBBON STORAGE CONDITIONS

Temperature	5°C to 35°C (41°F to 95°F)
Humidity	10% to 85% relative humidity
Light	Avoid direct sunlight

Quality Systems
ISO Registered

*Highest number of cycles where ANSI grade A 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.

F-1370301

WAX

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