



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, barcode 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
W160	Ultra Durable Wax

WAX/RESIN

M260	Ultra Durable Wax/Resin
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RESIN

R300	General Purpose Resin
R316	Specialty Resin
R350	Permanent Care Resin
R510	Ultra Durable Resin

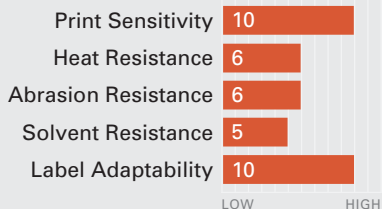
NEAR EDGE

W190	Near Edge Wax
M290	Near Edge Wax/Resin
M295	Specialty NE 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	3.55 ± 0.75μ
Base Film Thickness	4.5μ
Ribbon Thickness	8.16 ± 0.79μ
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® 1C
Test Method	Atlas CM-5 Crockmeter
Abrasion Resistance Test	15 cycles @ 900g covered with cloth*
Solvent Resistance Test	WATER 1000 cycles @ 248g covered with cloth*
	IPA 30 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

*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.



MF0402

WAX

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