



## Thermal Transfer Ribbon Technical Data Sheet

### R300 General Purpose Resin

#### Product Description

DNP has the most elite resin ribbon offering in the industry. R300's extensive label adaptability and high print speed capability makes it the most diverse resin of its kind. It outperforms the competition in abrasion and solvent resistance, uses less print energy and is designed with DNP's standard anti-static and backcoat properties to protect printheads and extend printhead life. And, like all DNP ribbons, R300 is an industry leader in edge definition producing dark, dense images for improved scan rates.

#### Recommended Applications



AGENCY



ASSET TRACKING



AUTOMOTIVE



CHEMICAL DRUM



ELECTRONIC  
COMPONENT



EXTREME  
ENVIRONMENT



FLEXIBLE  
PACKAGING



HAZARDOUS



OUTDOOR



PHARMACEUTICAL



PRODUCT  
ID



RFID



SECURITY



SHELF

#### Recommended Substrates

Polypropylene, polyethylene, polyolefin, vinyl, polyester

#### Performance Characteristics

- Excellent print quality at high speeds using less print energy
- Extreme durability and solvent resistance
- Extensive label adaptability expanding application options
- UL recognized/CSA approved
- Unbeatable edge definition for dark, dense images and improved scan rates
- DNP's specially formulated backcoating for printhead protection
- Most economical resin with DNP's unmatched abrasion resistance
- Anti-static for easy handling and extended printhead life

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

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#### Ribbon Properties

Description	Result	Test Method
Ink	Resin	
Color	Black	Visual
Total Thickness	$6.0 \pm 0.5\mu$	Micrometer
Base Film Thickness	$4.8 \pm 0.3\mu$	Micrometer
Ink Thickness	$1.2 \pm 0.2\mu$	Micrometer
Ink Melting Point	86°C (187°F)	Differential Scanning Calorimeter

#### Durability of Printed Image

Label Stock: Top-coated Polyester

Print Speed: 6 IPS

Description	Result	Test Method
Print Density	> 1.80	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 = $\text{mm} \div 25.4$	Inches to Millimeters (mm) = $\text{Inches} \div 0.03937$
Meters (m) to Feet (ft) = $\text{m} \div 0.3048$	Feet (ft) to Meters (m) = $\text{Feet} \div 3.2808$
C° to F° = $(1.8 \times \text{C}^\circ) + 32 = \text{F}^\circ$	F° to C° = $(\text{F}^\circ \div 1.8) - 17.77$
Thousand square inches (MSI) to m <sup>2</sup> = $\text{MSI} \times 0.645$	MSI = $\text{m}^2 \div 0.645$

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

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## About us

- Legacy Technology Services is a leading nationwide provider of mobile computing, barcode, printers and point of sale equipment and services.
- For over a decade, thousands of clients across North America have trusted us to provide equipment from leading manufacturers backed by the services to support them.

## Latest Hardware from top manufacturers

- Legacy handles virtually every major manufacturer of mobile computing, barcoding and point of sale equipment.

## Expert Repair and Maintenance services

- Legacy is one of the best repair facilities in North America

## Discontinued product sourcing

- They don't make it anymore? Our inventory also includes manufacturer close-outs and discontinued equipment to support our clients legacy infrastructure.

## Trade-in and Disposal services

- That old equipment laying around your facility may still have some value. Legacy routinely purchases equipment from our clients around the globe.
  - Data destruction
  - Hardware disposal
  - Auditing services

## Dedicated client account team

- Dedicated, highly trained account managers are here to answer all your questions and provide top notch service.

## Equipment rental services

- Sometimes renting is a better solution, Legacy's huge rental inventory provides the equipment you need for temporary needs and projects.



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