

DNP TR3021, 22, 23



Thermal Transfer Ribbon Technical Data Sheet

TR3021, 22, 23 General Purpose Wax

Red Blue Green

Product Description

Based on DNP's proven wax technology, these quality ribbons expand your color possibilities while providing excellent print clarity and high smudge resistance when black just isn't enough. These ribbons are also specially formulated with DNP's backcoat technology for printhead protection.



TR3021 Red
PMS 1787C



TR3022 Blue
PMS 286C



TR3023 Green
PMS 3405C

Colors may vary by substrate
PMS = Pantone Matching System

Recommended Applications



COLOR



GENERAL



HORTICULTURE



INVENTORY



OUTDOOR



PARTS
PACKAGING



PRODUCT ID



RETAIL



SHELF



SIGNAGE

Recommended Substrates

Coated/uncoated paper & tag stocks, synthetic paper, polyethylene, polypropylene, top-coated vinyl, polyolefin, Tyvek®, Tyvek Brillion®

Performance Characteristics

- Halogen-Free (TR3022 - Blue)
- Provides excellent print clarity and is highly smudge resistant
- Prints at high speeds (12 IPS) delivering crisp, rotated bar codes
- Features DNP's SmoothCoat® backcoat
- Unbeatable edge definition for dark, dense images and improved scan rates

Visit us at www.dnpribbons.com

DNP Imagingcomm America Corporation
1001 Technology Drive • Mt. Pleasant, PA 15666
TEL: 888.569.7222 • FAX: 800.676.7669
www.dnpribbons.com • www.dnpimagingcomm.com



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Ribbon Properties

Description	Result	Test Method
Ink	Wax	
Color	Red, Blue, Green	Visual
Total Thickness	$8.4 \pm 0.5\mu$	Micrometer
Base Film Thickness	$4.8 \pm 0.3\mu$	Micrometer
Ink Thickness	$3.6 \pm 0.2\mu$	Micrometer
Ink Melting Point	72°C (162°F)	Differential Scanning Calorimeter

Density of Printed Image

Label Stock: Coated Paper

Print Speed: 6 IPS

Description	Result			Test Method
	Y	M	C	
Print Density - Red	0.84 - 1.18	1.24 - 1.90	0.01 - 0.26	Densitometer
Print Density - Blue	0.08 - 0.56	0.85 - 1.57	1.18 - 1.94	Densitometer
Print Density - Green	0.63 - 1.41	0.28 - 0.50	1.47 - 2.15	Densitometer

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 m² = $\text{MSI} \times 0.645$

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.

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- 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.



Legacy, Inc.

160 West Road,
Ellington, CT 06029

Toll Free: 866-271-9891

Fax: 888-522-4684