

Z908 General Purpose Wax

Features

1. Reliable Economic Printing Solution
2. Works well on Low-End Substrates
3. Good Scratch and Smear Resistance
4. Print speeds up to 8 ips

World's Only Vertically Integrated TTR Manufacturer

Introduction

Z908 General Purpose Wax Ribbon offers our most economical thermal transfer printing solution while providing consistent performance on a wide variety of materials. Designed for barcode label and tag printing in the main stream "sweet-spot" of 4-8 inches per second, the **Z908** provides high optical density, moderate image durability, and allows printing at low print head energy heat settings on all popular thermal transfer printers. Z908 is a highly versatile ribbon which provides reliable printing performance on coated and uncoated labels and tags, and vellum materials found in today's global world of thermal transfer materials. Ideal for competitively priced applications such as shipping, product identification, distribution, logistics and retail. Our proprietary anti-static back coating formulation dissipates static electricity and works to protect and extend the life of your valuable printheads.



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MOST ECONOMICAL WAX SOLUTION

Z908 General Purpose Wax



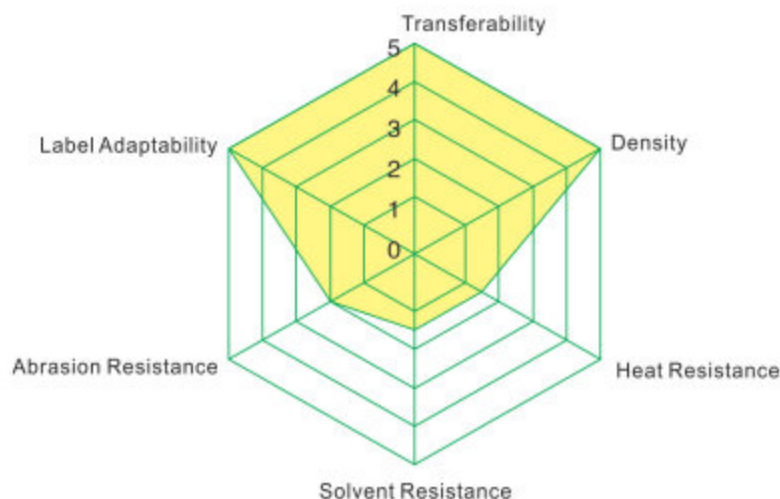
RIBBON PROPERTIES

TOTAL THICKNESS	7.1 ± 0.3 μm
INK THICKNESS	2.8 ± 0.2 μm
ELECTROSTATIC	≤ 0.06 Kv
OPTICAL DENSITY	≥ 1.82 D
INK MELT POINT	60°C

RECOMMENDED SUBSTRATES (PRINT MATERIALS):
Art paper, coated and uncoated paper,
tag stocks and vellums.



PROVEN CONSISTENCY
AND QUALITY



Z107plus Resin Enhanced Wax

Features

1. Excellent Image Density & Edge Definition
2. High-Level Durability
3. Wide Label Compatibility
4. High-Speed Printing up to 12 ips

World's Only Vertically Integrated TTR Manufacturer

Introduction

Z107 PLUS Resin Enhanced Wax Ribbon produces dense, dark, and durable images on the widest variety of receiver materials, including uncoated and coated thermal transfer papers, matte and semi-gloss, vellums, flood coats, Synthetics, and Gloss PE. This resin-enhanced wax ribbon formula prints at high speeds, up to 12 ips, with outstanding edge definition on rotated and other complex barcode formats. **Z107 PLUS** offers our best all-around performance when considering print quality, image durability, high speed printing capability and wider receiver material latitude. Our proprietary anti-static back coating formulations dissipates static electricity and works to protect and extend the life of your valuable printheads.



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MOST VERSATILE PERFORMANCE in a RESIN-ENHANCED WAX

Z107plus Resin Enhanced Wax



RIBBON PROPERTIES

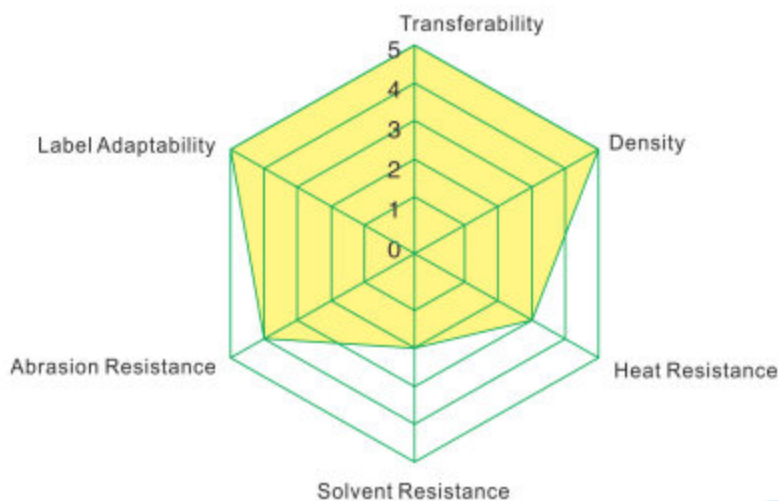
TOTAL THICKNESS	$7.0 \pm 0.3 \mu\text{m}$
INK THICKNESS	$2.6 \pm 0.4 \mu\text{m}$
ELECTROSTATIC	$\leq 0.06 \text{ Kv}$
OPTICAL DENSITY	$\geq 1.95 \text{ D}$
GLOSSINESS	$\geq 51 \text{ Gs}$
INK MELT POINT	68°C

RECOMMENDED SUBSTRATES (PRINT MATERIALS):

Coated and uncoated papers, tags, flood coated materials, synthetic films, vellum, semi-gloss and gloss PE.



PROVEN CONSISTENCY AND QUALITY



Z9085

Premium Resin Enhanced Wax

Features

1. Excellent Image Density
2. High-Level Durability (similar to wax/resin)
3. Wide Label Compatibility
4. Drop-In Replacement

World's Only Vertically Integrated TTR Manufacturer

Introduction

Z9085 Premium Resin Enhanced Wax Ribbon produces crisp, rotated barcodes and dark, durable images. Designed for speeds up to 12 ips while printing at nominal energy settings, **Z9085** can be used as a "plug and print" alternative to other industry leading premium resin-enhanced wax formulations. Its superior print quality, enhanced scratch and smear resistance, and exceptionally wide print latitude, combine to make **Z9085** the preferred wax formula by even the most discriminating end user. Our proprietary anti-static back coating formulation dissipates static electricity and works to protect and extend the life of your valuable printheads.



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BEST PERFORMANCE in a RESIN-ENHANCED WAX

Z9085 Premium Resin Enhanced Wax



RIBBON PROPERTIES

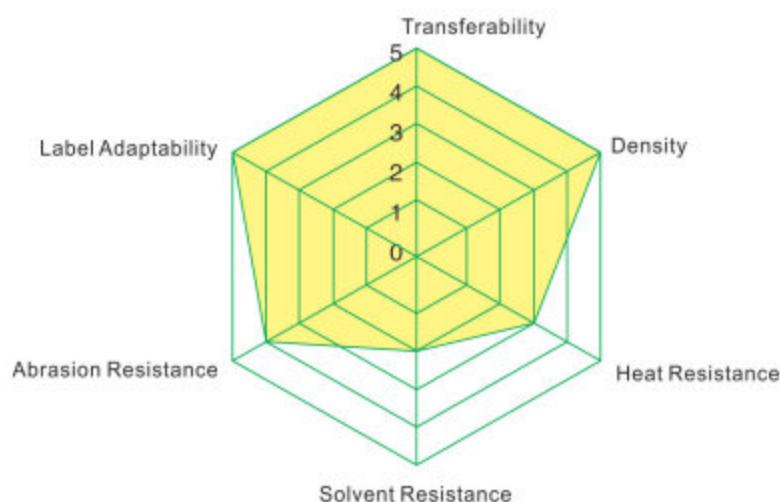
TOTAL THICKNESS	$7.1 \pm 0.3 \mu\text{m}$
INK THICKNESS	$2.5 \pm 0.4 \mu\text{m}$
ELECTROSTATIC	$\leq 0.06 \text{ Kv}$
OPTICAL DENSITY	$\geq 2.1 \text{ D}$
COLOR DENSITY	$\geq 2.6 \text{ DB}$
GLOSSINESS	$\geq 60 \text{ Gs}$
INKMELTPOINT	70°C

RECOMMENDED SUBSTRATES (PRINT MATERIALS):

Coated and uncoated papers, tags, flood coated materials and synthetic films



PROVEN CONSISTENCY AND QUALITY



Z200

Standard Wax/Resin

Features

1. Excellent Image Darkness
2. High-Level Durability
3. Wide Label Compatibility
4. Low Printhead Energy Requirements



World's Only Vertically Integrated TTR Manufacturer

Introduction

Z200 Standard Wax/Resin Ribbon offers our most economical wax/resin thermal transfer printing solution while providing consistent performance on a wide variety of materials. Designed for speeds up to 10 ips while printing at nominal energy settings, with its wide printing range. It can be compatible with all kinds of barcode printers with low energy printing. Our proprietary anti-static back coating formulation dissipates static electricity and works to protect and extend the life of your valuable printheads.



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MOST ECONOMICAL WAX/RESIN SOLUTION

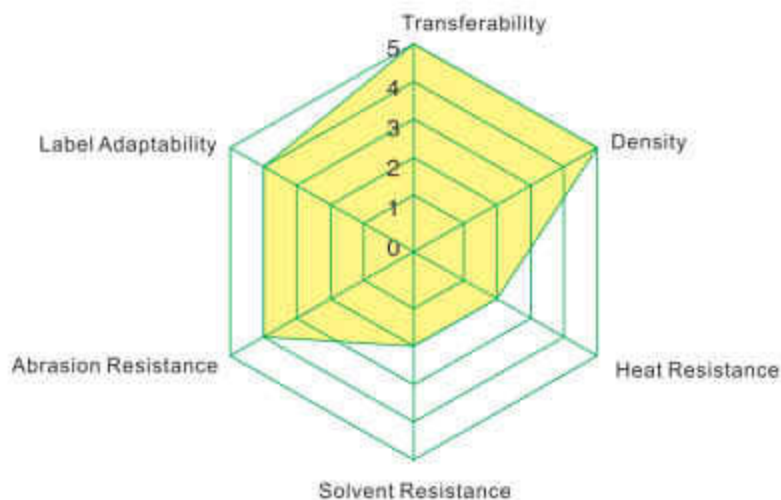
Z200 Standard Wax/Resin



RIBBON PROPERTIES

TOTAL THICKNESS	7.2 ± 0.3 μm
INK THICKNESS	2.7 ± 0.3 μm
ELECTROSTATIC	≤ 0.06 Kv
OPTICAL DENSITY	≥ 1.9 D
INK MELT POINT	68°C

RECOMMENDED SUBSTRATES (PRINT MATERIALS):
Coated and uncoated tags & labels,
gloss and semi-gloss papers,
synthetics and film (PE, PP, PVC)



PROVEN CONSISTENCY AND QUALITY



Z201

Premium Wax/Resin

Features

- 1.Plug & Print Compatibility
- 2.Superior Heat & Abrasion Resistance
- 3.Wide Label Compatibility
- 4.Low Printhead Energy Requirements
- 5.Excellent Image Density
- 6.UL Recognized

World's Only Vertically Integrated TTR Manufacturer

Introduction

Z201 is a UL-recognized **Premium Wax/Resin Ribbon** delivers superior image durability on a wide variety of label and tag materials. Along with increased abrasion and heat resistance, this ribbon also provides excellent print darkness and high-definition characters and images. **Z201 Premium Wax/Resin Ribbon** prints up to 10ips utilizing less printhead energy than competitive wax/resin formulations. **Z201** offers "plug & print" compatibility with industry leading premium wax/resin ribbons. **Z201** redefines the price-performance equation in the industry. Our proprietary anti-static back coating formulation dissipates static electricity and works to protect and extend the life of your valuable printheads.



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**PERFECT CHOICE for
DEMANDING ENVIRONMENTS**

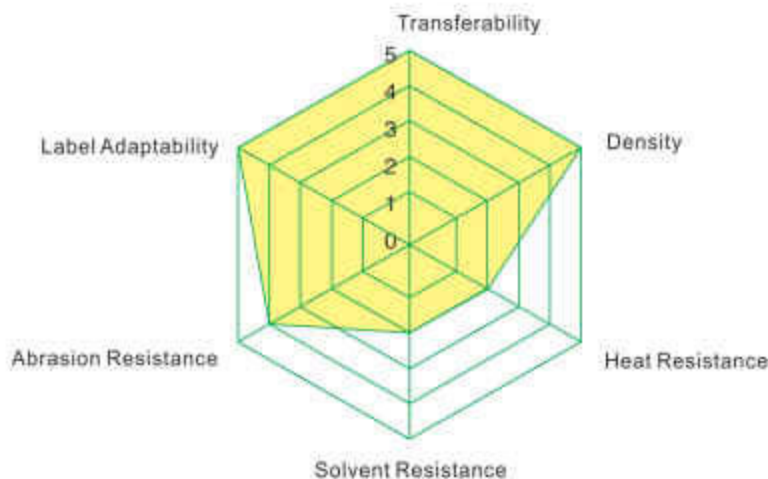
Z201 Premium Wax/Resin



RIBBON PROPERTIES

TOTAL THICKNESS	7.1±0.3 μm
INK THICKNESS	2.5±0.4 μm
ELECTROSTATIC	≤0.06 Kv
OPTICAL DENSITY	≥2.15 D
COLOR DENSITY	≥2.6 DB
GLOSSINESS	≥60 Gs
INKMELTPOINT	78°C

RECOMMENDED SUBSTRATES (PRINT MATERIALS):
Coated and uncoated tags & labels,
gloss and semi-gloss papers,
synthetics and film (PE, PP, PVC)



**PROVEN CONSISTENCY
AND QUALITY**



Z203

Extreme Wax/Resin

Features

1. Resin-like Performance
2. Superior Abrasion & Chemical Resistance
3. Low Printhead Energy Requirements
4. Excellent Image Density & Edge Definition

World's Only Vertically Integrated TTR Manufacturer

Introduction

Z203 Extreme Wax/Resin Ribbon redefines the traditional wax/resin category with its unique price/performance value. Developed using a high performance resin-type formulation. **Z203** utilizes a thinner polyester base material resulting in a more thermally responsive ink, allowing the product to provide resin-like performance, at lower printhead energies and faster printer speeds more typical of wax/resin products. **Z203** offers excellent solvent, heat, and image durability comparable to industry leading resin products as well as providing the user with a lower cost of ownership for medical, pharmaceutical, and electronic applications



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REDEFINING the WAX/RESIN CATEGORY

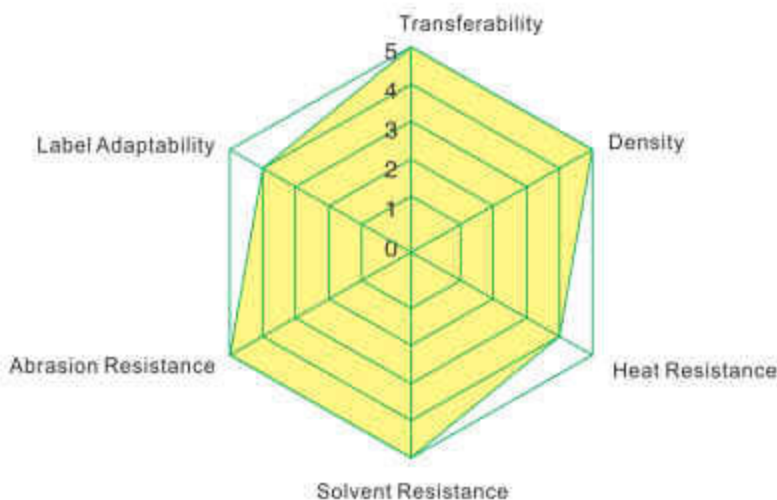
Z203 Extreme Wax/Resin



RIBBON PROPERTIES

TOTAL THICKNESS	5.9 ± 0.3 μm
INK THICKNESS	2.55 ± 0.4 μm
ELECTROSTATIC	≤ 0.03 Kv
OPTICAL DENSITY	≥ 1.8 D
INK MELT POINT	78°C

RECOMMENDED SUBSTRATES (PRINT MATERIALS):
Coated and uncoated tags & labels,
gloss and semi-gloss papers,
synthetics and film (PE, PP, PVC)



PROVEN CONSISTENCY AND QUALITY



Z212

Near-edge Wax/Resin

Features

1. Excellent Print Density and Edge Definition at High Speeds
2. Low Print Energy
3. Compatible with a Wide Variety of Near Edge Substrates
4. For use in Near and Corner Edge barcode label and tag applications

World's Only Vertically Integrated TTR Manufacturer

Introduction

Z212 Near-edge Wax/Resin Ribbon is a uniquely engineered near edge wax/resin formulation designed as an economical solution for high print performance on a broad range of materials for barcode label and tag applications. **Z212** offers excellent image sensitivity, combined with mid-range image durability and heat resistance. Printing applications include date/lot codes, small and large text, and graphics at speeds of up to 24 inches per second. **Z212** is designed to meet or exceed OEM specifications and is compatible with TEC, Avery/Novexx, other near-edge printers.



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**BEST VALUE in the
NEAR-EDGE CATEGORY**

Z212

Near-edge Wax/Resin

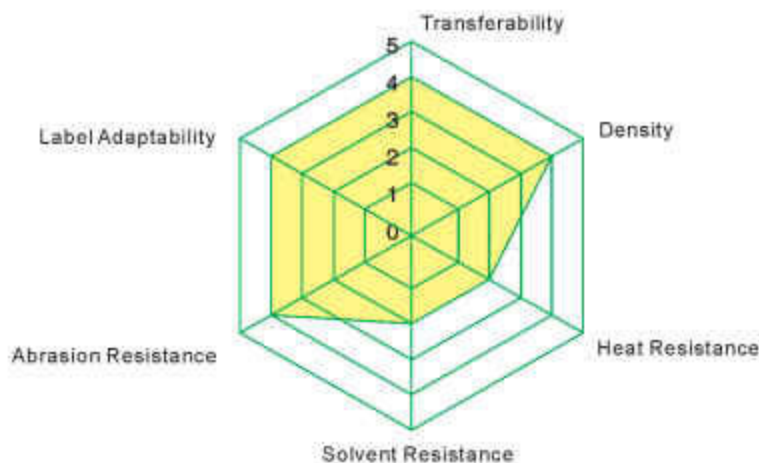


RIBBON PROPERTIES

TOTAL THICKNESS	6.8 ± 0.3 μm
INK THICKNESS	1.0 ± 0.3 μm
ELECTROSTATIC	≤ 0.15 Kv
OPTICAL DENSITY	≥ 1.35 D
INK MELT POINT	80°C

RECOMMENDED SUBSTRATES (PRINT MATERIALS):

Art paper, Matte and Coated paper, Synthetic Paper, Polyolefin (i.e. Tyvek), Polyester, Polypropylene and Polyethylene



PROVEN CONSISTENCY AND QUALITY



Z302

General Purpose Resin

Features

1. Superior Heat, Abrasion & Solvent Resistance
2. High Density Printing
3. Low Static Ink Formulation
4. Outstanding Value in the Resin Category
5. UL Recognized

World's Only Vertically Integrated TTR Manufacturer

Introduction

Z302 General Purpose Resin is uniquely engineered for flat head applications requiring high levels of abrasion, heat and solvent resistance. **Z302** is UL recognized and provides dense, dark printed images while providing extensive label compatibility on a wide range of synthetic and polyester label and tag materials. Our proprietary anti-static back coating formulation dissipates static electricity and works to protect and extend the life of your valuable printheads.



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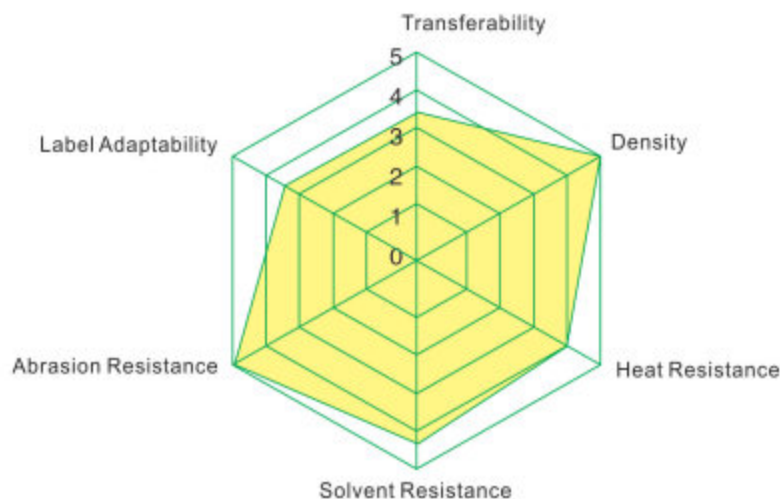
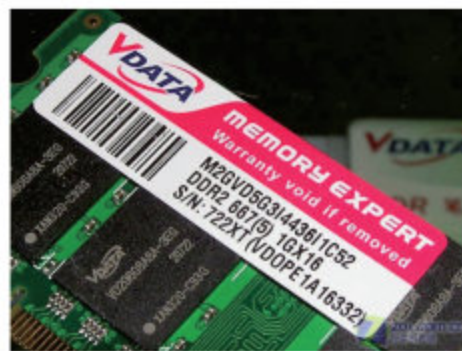
Z302 General Purpose Resin



RIBBON PROPERTIES

TOTAL THICKNESS	$6.9 \pm 0.2 \mu\text{m}$
INK THICKNESS	$1.2 \pm 0.2 \mu\text{m}$
ELECTROSTATIC	$\leq 0.15 \text{ Kv}$
OPTICAL DENSITY	$\geq 1.75 \text{ D}$
GLOSSINESS	$\geq 50 \text{ Gs}$
INKMELTPOINT	80°C

RECOMMENDED SUBSTRATES (PRINT MATERIALS):
Synthetics, Vynils and Films (PET, PP PVC)



PROVEN CONSISTENCY
AND QUALITY



Z300

General Purpose Resin

Features

1. Superior Heat, Abrasion & Solvent Resistance
2. High Density Printing
3. Low Static Ink Formulation
4. Outstanding Value in the Resin Category
5. UL Recognized

World's Only Vertically Integrated TTR Manufacturer

Introduction

Z300 General Purpose Resin is uniquely engineered for flat head applications requiring high levels of abrasion, heat and solvent resistance. **Z300** is UL recognized and provides dense, dark printed images while providing extensive label compatibility on a wide range of synthetic and polyester label and tag materials. Our proprietary anti-static back coating formulation dissipates static electricity and works to protect and extend the life of your valuable printheads.



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**BEST CHOICE for
EXTREME ENVIRONMENTS**

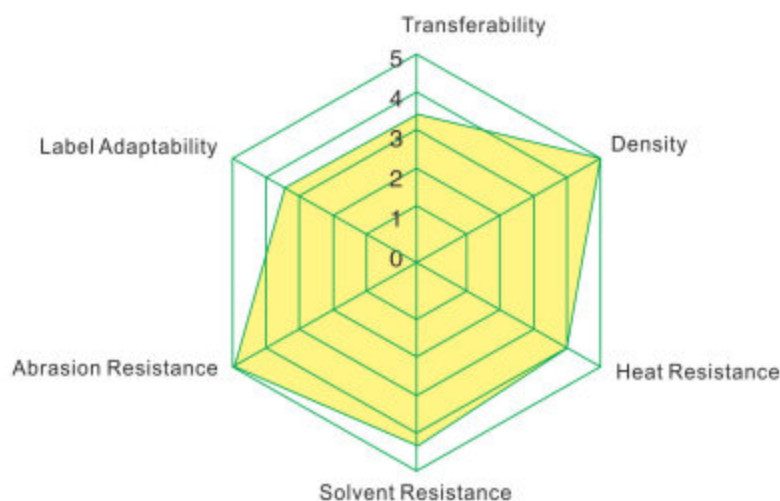
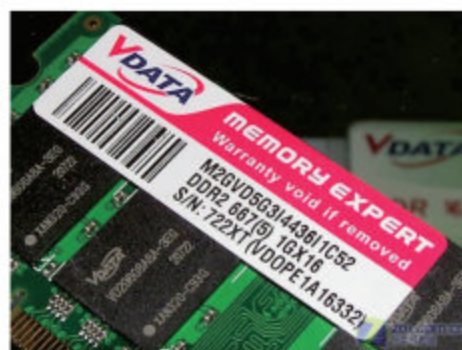
Z300 General Purpose Resin



RIBBON PROPERTIES

TOTAL THICKNESS	6.9 ± 0.2 μm
INK THICKNESS	1.2 ± 0.2 μm
ELECTROSTATIC	≤ 0.15 Kv
OPTICAL DENSITY	≥ 1.75 D
GLOSSINESS	≥ 50 Gs
INK MELT POINT	80°C

RECOMMENDED SUBSTRATES (PRINT MATERIALS):
Synthetics, Vynils and Films (PET, PP PVC)



PROVEN CONSISTENCY
AND QUALITY



Z800/801 Textile Resin

Features

1. Excellent Print Quality on Textile Materials
2. Superior Scratch & Smear Resistance to washing, dry cleaning and ironing
3. Withstands extreme heat, dry cleaning and industrial solvents
4. Steam Resistance

World's Only Vertically Integrated TTR Manufacturer

Introduction

Z800/Z801 Textile Resin Ribbon is a highly durable wash care resin used for garment and textile label printing. It offers excellent print quality and superior resistance to washing, ironing and dry cleaning applications. Highly resistant to heat, water and industrial solvents. **Z800/801** is compatible with a wide variety of materials, including nylon, acetate, polyester, rayon and synthetic fibers. Our proprietary anti-static back coating formulation dissipates static electricity and works to protect and extend the life of your valuable printheads.



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BEST SOLUTION for TEXTILE PRINTING

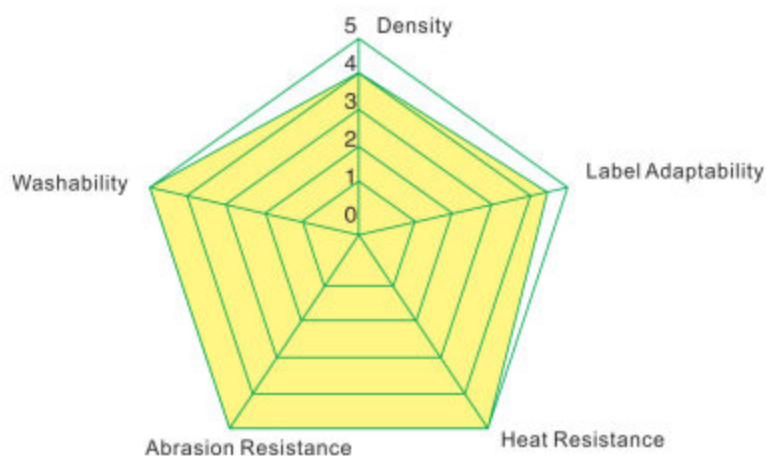
Z800/801 Textile Resin



RIBBON PROPERTIES

TOTAL THICKNESS	5.9 ± 0.2 μm
INK THICKNESS	1.4 ± 0.2 μm
ELECTROSTATIC	≤ 0 Kv
OPTICAL DENSITY	≥ 1.5 D
GLOSSINESS	≥ 1.8 DB
INK MELT POINT	75°C

RECOMMENDED SUBSTRATES (PRINT MATERIALS):
Nylon, Satin, Polyester, Rayon,
and Synthetic fibers



PROVEN CONSISTENCY AND QUALITY

