



Zebra® Supplies Selector Guide

Media and Ribbons Optimised for Zebra Printers





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Genuine Zebra Supplies™

Zebra Technologies Corporation (NASDAQ: ZBRA) delivers innovative and reliable on-demand printing solutions for business-improvement and security applications in 100 countries around the world.

Having sold over five million printers, including RFID printer/encoders and wireless mobile solutions, Zebra also offers software, connectivity solutions and printing supplies.

- ✓ Zebra Technologies is a market-leading provider of printing solutions that improve productivity, quality, customer service, cost-efficiency and security
- ✓ 90% of Fortune 500 companies use Zebra printers
- ✓ Zebra builds innovation into every solution to help customers respond to emerging business and technology challenges

Zebra offers supplies (labels, tags and ribbons), which are specifically developed for Zebra printers and are all made to a high standard.

- ✓ Genuine Zebra Supplies are manufactured exclusively for Zebra printers
- ✓ All labels and ribbons are laboratory-tested for optimum performance
- ✓ Genuine Zebra Supplies help minimise wear and tear on printheads
- ✓ A wide range of materials supports the full Zebra printer range

Introducing Zebra labels' product families

Genuine Zebra labels are classified into product families, making them easy to specify and sell. The classification:

- ✓ Makes it easier to identify material types
- ✓ Improves clarity of material market positioning

Several product families exist for paper, synthetic and speciality products:

Paper products

Z-Perform™	Materials have an uncoated paper facestock that provides an optimal balance between performance and price
Z-Select™	Materials have a premium, top-coated, white, ultra-smooth paper facestock designed to provide optimal image quality; ideal for high-speed printing applications where premium print quality is important

Synthetic products

PolyE	A white top-coated polyethylene facestock that provides superb flexibility for labelling curved or rough surfaces; minimal resistance to scratching and smearing
PolyO™	A white satin, corona-treated polyolefin facestock that provides flexibility for labelling curved or rough surfaces; some resistance to scratching and smearing
PolyPro™	A top-coated polypropylene facestock that provides high print quality and good resistance to scratching and smearing; offers some flexibility for labelling curved surfaces
Z-Ultimate®	A gloss polyester facestock that provides excellent print quality, good chemical resistance and superior resistance to scratching and smearing
Z-Xtreme™	A matt polyester facestock that provides high-quality print, good smear and scratch resistance and excellent chemical resistance
Z-Supreme™	A polyimide facestock designed to withstand high temperatures of up to 500°C

Speciality materials

The Zebra range of speciality materials consists of paper, synthetic labels and tags designed for unique or challenging applications.

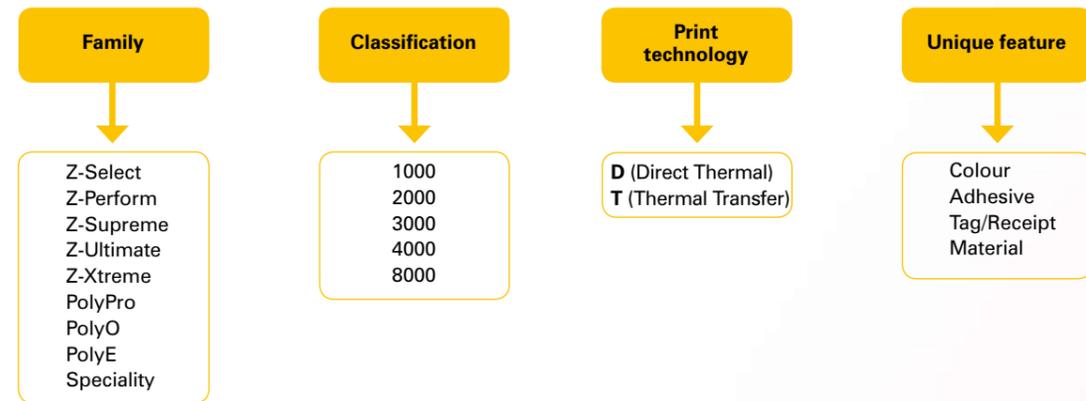
Wristbands

The Zebra wristband family contains a selection of synthetic wristbands uniquely configured for optimal use in Zebra desktop and mid-range printers for the healthcare, hospitality and leisure markets.



Label-naming convention

Zebra label product names are created as follows:



Classifications

Classification	Description
1000	Uncoated paper
2000	Top-coated paper
3000 & 4000	Synthetic materials. Within a synthetic product family, a 4000 number represents better performance and/or greater capabilities than a 3000-numbered product
8000	Speciality products with some unique features designed for more specialised applications

Print technology

Direct Thermal (D) and Thermal Transfer (T) are two different printing technologies having different features and benefits, summarised below:

Direct Thermal	Thermal Transfer
Indoor use only	Indoor or outdoor usage
Very short lifespan	Medium to long-term lifespan
Simple for operator (one supply item only)	Specialist applications requiring specific print features, chemical resistance or heat resistance
Standard images/bar codes	High-quality durable images and bar codes

Unique feature

One or more words explaining a key feature of the product, such as silver or yellow label, high-tack or ultra-removable adhesive, tag or receipt.

Example



8000D Red Image

Buying Zebra supplies

There are two types of supplies products:

- ZipShipSM stocked labels and ribbons:** A wide range of stocked items is available from Zebra for immediate shipment, including labels, tags, wristbands and ribbons. These items are marked with ② within this guide
- Custom made-to-order labels:** If you cannot find the specification to suit your customers, Zebra can manufacture bespoke or pre-printed coloured labels to meet their needs

Identifying the correct label product for your customers' markets



Identify the customer's vertical market, from the tables within this guide.



Use the table for that market to identify the applications relevant to the customer requirements.



Verify the printers suitable for those applications and from there, identify the Zebra supplies products.

Supporting literature

- Media transition guide:** to help cross-reference the old and new material names, Zebra has developed two easy-to-use charts, showing "old to new names" and "new to old names"
- Media transition letters:** your customers may need written confirmation that Zebra has only changed material names, and not the materials themselves. Confirmation letters are available for all materials
- Specification sheets:** technical data sheets are available for all products

All of this supporting literature is available from www.accesszebra.com





Manufacturing capabilities

A world-class converter of labels and tags, Zebra specialises in narrow-web converting and flexographic printing on thermal materials. By making and testing its own printer supplies, Zebra can ensure the customer receives the highest-quality products and performance matched to their Zebra printer and application. Zebra provides label products for the full range of Zebra printers, from 19mm core for mobile to 76mm core for mid-range and high-end printers.

Printing

- Up to seven-colour printing
- Front- and back-side printing
- Automated vision-inspection systems

Converting

- Roll-to-roll and fanfolding
- Perforations, face slits and back slits
- Adhesive deadening
- UL-/CSA-recognised combinations

Ribbon information

When used together, Zebra ribbons and labels will provide optimal performance with Zebra printers and extend the life of the printhead. Zebra has the right thermal transfer ribbon for a customer's application, available in wax, resin or wax/resin formulations.

Wax

For standard printing on paper labels, Zebra's wax ribbons are unsurpassed for performance and value.

Wax/resin

Zebra's wax/resin ribbons are formulated to offer high-quality durable bar codes, text and graphics.

Resin

For the ultimate resistance to chemicals and heat, Zebra's resin ribbons can handle the harshest environments.

Zebra ribbons

Wax	Wax/resin	Resin
2300 Standard	3400 High-Performance	4800 Performance
2100 High-Performance	3200 Premium	5095 High-Performance
5319 Performance		5100 Premium
5049 High-Speed Performance		

Ribbon	Material compatibility	Darkness setting		Print speed		Smear-/scratch-resistance		Chemical-resistance	
		Low	High	Low	High	Low	High	Low	High
2300 Standard	Uncoated/Coated Paper	Low	High	Low	High	Low	High	Low	High
2100 High-Performance	Uncoated/Coated Paper	Low	High	Low	High	Low	High	Low	High
5319 Performance	Uncoated/Coated Paper	Low	High	Low	High	Low	High	Low	High
5049 High-Speed Performance	Uncoated/Coated Paper	Low	High	Low	High	Low	High	Low	High
3400 High-Performance	Coated Paper/Matt Synthetics	Low	High	Low	High	Low	High	Low	High
3200 Premium	Coated Paper/Matt Synthetics	Low	High	Low	High	Low	High	Low	High
4800 Performance	Matt/Gloss Synthetics	Low	High	Low	High	Low	High	Low	High
5095 High-Performance	Matt/Gloss Synthetics	Low	High	Low	High	Low	High	Low	High
5100 Premium	Gloss Synthetics	Low	High	Low	High	Low	High	Low	High

Product performance and suitability

The information contained in this document is to be used for guidance only and is not intended for use in setting specifications. All purchasers of Zebra products shall be solely responsible for independently determining if the product conforms to all requirements of their unique application.

Zebra expects, but does not warrant, that printed images on those supplies products where an archive life is listed under key features can be expected to last as stated, when stored according to specific archive conditions. Please refer to www.accesszebra.com for further information. Zebra's standard Terms and Conditions of Sale apply for all sales of Zebra products.





Field Force Automation

Product name	Thermal Transfer/ Direct Thermal	Product description	Key feature(s)	Application(s)	Printer recommendation						Suggested ribbon(s) (standard application)	Suggested ribbon(s) (high durability)	Maximum print speed (mm/sec)	Minimum application temperature (°C)	Service temperature (°C)
					QL™	MZ™	RW™	Desktop	Mid-range	Xi™					
Z-Perform 1000D 60/80 Receipt	Direct Thermal	Receipt paper in 60-/80-micron thickness	Low-cost, 60-/80-micron receipt paper; indoor-archivable for up to 5 years	Mobile delivery notes, service recording and invoice printing	✗ ⁽⁶⁰⁾ ✓ ^{Ⓩ(80)}	✓ [Ⓩ]	✓ [Ⓩ]	✗ ⁽⁶⁰⁾ ✓ ^{Ⓩ(80)}	✗	✗			102	N/A	-5 to +49
8000D 10-Year Receipt	Direct Thermal	Long-term-archivable receipt paper	60-micron receipt paper; indoor-archivable for up to 10 years	Mobile delivery notes, service recording and invoice printing, where long-term archivability is required	✗	✓	✓	✗	✗	✗			102	N/A	-5 to +49
8000D High-Temp Receipt	Direct Thermal	Receipt paper with resistance to high temperatures and UV light	Offers superior resistance to UV light and short-term exposure to temperatures up to 90°C	Mobile delivery notes, service recording and invoice printing, if there is exposure to high temperatures	✓	✓	✓	✓	✗	✗			102	N/A	-5 to +90
8000T Z-Destruct™ Vinyl	Thermal Transfer	White vinyl label that breaks apart when label is removed	Destructible facestock and aggressive adhesive giving tamper-evident feature; indoor and outdoor use	Pre-prepared serialised data and warranty labels for asset-tracking of outdoor utility meters				✗	✓	✓	4800, 5095	5100	51	+4	-46 to +93



Government

Product name	Thermal Transfer/ Direct Thermal	Product description	Key feature(s)	Application(s)	Printer recommendation						Suggested ribbon(s) (standard application)	Suggested ribbon(s) (high durability)	Maximum print speed (mm/sec)	Minimum application temperature (°C)	Service temperature (°C)
					QL	MZ	RW	Desktop	Mid-range	Xi					
Z-Perform 1000D 60/80 Receipt	Direct Thermal	Receipt paper in 60-/80-micron thickness	Low-cost, 60-/80-micron receipt paper; indoor-archivable for up to 5 years	Electronic citations for law-enforcement officers	✗ ⁽⁶⁰⁾ ✓ ^{Ⓩ(80)}	✓ [Ⓩ]	✓ [Ⓩ]	✗ ⁽⁶⁰⁾ ✓ ^{Ⓩ(80)}	✗	✗			102	N/A	-5 to +49
Z-Select 2000T	Thermal Transfer	Premium paper label with general-purpose permanent adhesive	Superb image quality; high print speeds	Document tracking				✓ [Ⓩ]	✓ [Ⓩ]	✓ [Ⓩ]	2300, 2100, 5319	3400, 3200	305	0	-20 to +80
8000D 10-Year Receipt	Direct Thermal	Long-term-archivable receipt paper	60-micron receipt paper; indoor-archivable for up to 10 years	Electronic citations for law-enforcement officers, where long-term archivability is required	✗	✓	✓	✗	✗	✗			102	N/A	-5 to +49
8000D High-Temp Receipt	Direct Thermal	Receipt paper with resistance to high temperatures and UV light	Offers superior resistance to UV light and short-term exposure to temperatures up to 90°C	Electronic citations for law-enforcement officers, in environments with high temperatures and sun exposure	✓	✓	✓	✓	✗	✗			102	N/A	-5 to +90
8000T Ultra-Removable	Thermal Transfer	Premium paper label with ultra-removable adhesive	Adhesive with long-term clean removability, even from paper/card; superb image quality; high print speeds	Document tracking, where clean removability is required				✓	✓	✓	2300, 2100, 5319	3400, 3200	305	-20	-40 to +80
PolyPro 3000T Clear	Thermal Transfer	Gloss-clear polypropylene label with general-purpose permanent adhesive	Transparent/clear label	Document tracking				~	✓	✓	3200	4800, 5095	102	+5	-20 to +80
8000T Void Matte	Thermal Transfer	Matt-silver polyester with a tamper-evident adhesive that leaves a "Void" pattern when label is removed	"Void" tamper-evident adhesive	Asset labelling, where tamper-evident solution is required				~	✓	✓	3200	4800, 5095	51	+10	-40 to +40

Key for supplies selector guide:

- ✓ Label material is recommended for use in this series of printers.
- ~ Label material must be tested in printer before purchase – print quality will depend on required print size, speed and ribbon used.
- ✗ Label material is not recommended for use in this series of printers.
- Label material and printer are incompatible.
- Ⓩ ZipShip stocked item

All information in the table relates to blank media without pre-printed inks. Pre-printed labels (tinted, logo-printed, etc.) have different properties from plain labels and will give different print results. Furthermore, pre-printed labels will not resist abrasion, chemicals or environmental conditions in the same way as blank labels. Testing is always recommended before purchase. Zebra expects, but does not warrant, that printed images on those supplies products where an archive life is listed under key features can be expected to last as stated, when stored according to specific archive conditions. Please refer to www.accesszebra.com for further information. Zebra's standard Terms and Conditions of Sale apply for all sales of Zebra products.



Government

Product name	Thermal Transfer/ Direct Thermal	Product description	Key feature(s)	Application(s)	Printer recommendation						Suggested ribbon(s) (standard application)	Suggested ribbon(s) (high durability)	Maximum print speed (mm/sec)	Minimum application temperature (°C)	Service temperature (°C)
					QL	MZ	RW	Desktop	Mid-range	Xr					
8000T Silver Checkerboard	Thermal Transfer	Gloss-silver polyester with a tamper-evident adhesive that leaves a "Checkerboard" pattern when label is removed	"Checkerboard" tamper-evident adhesive	Asset labelling, where tamper-evident solution is required				✓	✓	✓			102	+10	-40 to +80
8000T Z-Destruct PE	Thermal Transfer	White polyethylene label that breaks apart when label is removed	Destructible facestock and aggressive adhesive giving tamper-evident feature; indoor use only	Asset labelling, where tamper-evident solution is required				✗	✓ [Ⓩ]	✓ [Ⓩ]			51	+10	-40 to +80

Healthcare

Product name	Thermal Transfer/ Direct Thermal	Product description	Key feature(s)	Application(s)	Printer recommendation						Suggested ribbon(s) (standard application)	Suggested ribbon(s) (high durability)	Maximum print speed (mm/sec)	Minimum application temperature (°C)	Service temperature (°C)
					QL	MZ	RW	Desktop	Mid-range	Xr					
Z-Select 2000T	Thermal Transfer	Premium paper label with general-purpose permanent adhesive	Superb image quality; high print speeds	Sterile services labelling				✓ [Ⓩ]	✓ [Ⓩ]	✓ [Ⓩ]			305	0	-20 to +80
Z-Select 2000D	Direct Thermal	Premium paper label with general-purpose permanent adhesive	Excellent image quality; good moisture-resistance	Labelling of patient and laboratory samples	✓ [Ⓩ]			✓ [Ⓩ]	✓ [Ⓩ]	✓ [Ⓩ]			203	-5	-40 to +50
PolyPro 4000D	Direct Thermal	Matt-white polypropylene label with general-purpose permanent adhesive	Tear-resistant	Labelling of patient and laboratory samples	✓ [Ⓩ]			✓	✓	✓			102	+5	-20 to +80
Z-Ultimate 3000T White	Thermal Transfer	Gloss-white polyester label with general-purpose permanent adhesive	Excellent resistance to high temperatures, water and many chemicals	Sterile services labelling, including autoclave				✓ [Ⓩ]	✓ [Ⓩ]	✓ [Ⓩ]			152	+10	-40 to +150
Z-Xtreme 4000T White High Tack	Thermal Transfer	Matt-white polyester label with high-tack permanent adhesive	Excellent adhesion to packing of surgical kits and resistance to sterilisation processes	Autoclave labelling, sterile services labelling of surgical kits				~	~	✓			102	+5	-40 to +150
Z-Band® Direct	Direct Thermal	Polypropylene wristband with permanent adhesive	Tamper-evident security slits; good resistance to water and most soaps and cleaning agents	Patient identification	✗	✗	✗	✓ [Ⓩ]	✓ [Ⓩ]	✓ [Ⓩ]			102	+10	-40 to +60
Z-Band 4000	Thermal Transfer	Gloss polyester wristband with permanent adhesive	More durable and resistant solution; use with Zebra 5095 resin ribbon	Patient identification				✓ [Ⓩ]	✓ [Ⓩ]	✓ [Ⓩ]			102	+10	-29 to +149
Z-Band QuickClip™	Direct Thermal	Polypropylene tag with secure clip closure; colour-coated clip options	Secure clip fastening; good resistance to water and most soaps and cleaning agents	Patient identification	✗	✗	✗	✓ [Ⓩ]	✓	✓			102	+10	-40 to +60
8000T Cryocool	Thermal Transfer	Polypropylene label with a cold-temperature-resistant permanent adhesive	Extremely low-temperature adhesive offering performance down to -196°C	Cryogenic applications involving a deep-freezing process; medical laboratories, hospitals				~	✓	✓			51	-29	-196 to +88
8000T Blood Bag	Thermal Transfer	Matt-white polypropylene label with a permanent adhesive	Meets FDA guidelines for Uniform Labelling of Blood and Blood Components	IV bag labelling, blood component labelling, medical labelling				✗	✓	✓			102	+7	-40 to +121

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Hospitality, Service & Leisure



Product name	Thermal Transfer/ Direct Thermal	Product description	Key feature(s)	Application(s)	Printer recommendation						Suggested ribbon(s) (standard application)	Suggested ribbon(s) (high durability)	Maximum print speed (mm/sec)	Minimum application temperature (°C)	Service temperature (°C)
					QL	MZ	RW	Desktop	Mid-range	Xi					
Z-Perform 1000T 150/190 Tag	Thermal Transfer	Paper tag in 150-/190-micron thickness	150-/190-micron thickness	Visitor identification tags; admission tickets				~	✓	✓			152	N/A	-46 to +93
Z-Perform 1000D 110/135 Tag	Direct Thermal	Paper tag in 110-/135-micron thickness	110-/135-micron thickness	Visitor identification tags	✓ ⁽¹¹⁰⁾ ✗ ₍₁₃₅₎	✓ ⁽¹¹⁰⁾ ✗ ₍₁₃₅₎	✓ ⁽¹¹⁰⁾ ✗ ₍₁₃₅₎	✓	✓	✓			102	N/A	-5 to +49
Z-Select 2000D 160/190 Tag	Direct Thermal	Paper tag in 160-/190-micron thickness	160-/190-micron thickness	Visitor identification tags; admission tickets	✗	✗	✗	✓ ⁽¹⁶⁰⁾ ~ ⁽¹⁹⁰⁾	✓	✓			152	N/A	-5 to +49
PolyPro 4000T 216 Tag	Thermal Transfer	Matt-white polypropylene tag	Tear-resistant, durable, re-usable	Visitor passes; tagging of museum artefacts and art objects				✗	✓	✓			102	N/A	-40 to +77
Z-Band Direct	Direct Thermal	Polypropylene wristband with permanent adhesive	Tamper-evident security slits; good resistance to water; short-term outdoor exposure	Patron and staff identification at events and theme parks, cash-free transactions, age verification	✗	✗	✗	✓ ⁽²⁾	✓ ⁽²⁾	✓ ⁽²⁾			102	+10	-40 to +60
Z-Band 4000	Thermal Transfer	Gloss-polyester wristband with permanent adhesive	More durable and resistant solution; use with Zebra 5095 resin ribbon	Patron and staff identification at events and theme parks, cash-free transactions, age verification				✓ ⁽²⁾	✓ ⁽²⁾	✓ ⁽²⁾			102	+10	-29 to +149
Z-Band QuickClip	Direct Thermal	Polypropylene tag with secure clip closure; colour-coated clip options	Secure clip fastening; good resistance to water; short-term outdoor exposure	Patron and staff identification at events and theme parks, cash-free transactions, age verification	✗	✗	✗	✓ ⁽²⁾	✓	✓			102	+10	-40 to +60

Logistics



Product name	Thermal Transfer/ Direct Thermal	Product description	Key feature(s)	Application(s)	Printer recommendation						Suggested ribbon(s) (standard application)	Suggested ribbon(s) (high durability)	Maximum print speed (mm/sec)	Minimum application temperature (°C)	Service temperature (°C)
					QL	MZ	RW	Desktop	Mid-range	Xi					
Z-Perform 1000T	Thermal Transfer	Economy paper label with general-purpose permanent adhesive	Low-cost	Labelling of packaging material including boxes and pallets; product identification; picking; receiving				✓ ⁽²⁾	✓ ⁽²⁾	✓ ⁽²⁾			152	0	-20 to +80
Z-Perform 1000T Removable	Thermal Transfer	Economy paper label with general-purpose removable adhesive	Removable adhesive	Product identification; removable labels for boxes, pallets, shelves or tote bins				✓	✓	✓			152	-15	-30 to +80
Z-Perform 1000D	Direct Thermal	Economy paper label with general-purpose permanent adhesive	Low-cost	Labelling of packaging material including boxes and pallets; product identification; picking; receiving	✓			✓ ⁽²⁾	✓ ⁽²⁾	✓ ⁽²⁾			102	0	-20 to +50
Z-Perform 1000D Removable	Direct Thermal	Economy paper label with general-purpose removable adhesive	Removable adhesive	Product identification; removable labels for boxes, pallets, shelves or tote bins	✓			✓	✓	✓			102	-10	-30 to +70
Z-Perform 1000T 150/190/250 Tag	Thermal Transfer	Paper tag in 150-/190-/250-micron thickness	150-/190-/250-micron thickness	Packaging inserts; pallet tags				~ ⁽¹⁵⁰⁾ ~ ⁽¹⁹⁰⁾ ✗ ₍₂₅₀₎	✓	✓			152 ⁽¹⁵⁰⁾ 152 ⁽¹⁹⁰⁾ 102 ⁽²⁵⁰⁾	N/A	-46 to +93
Z-Perform 1000D 110/135 Tag	Direct Thermal	Paper tag in 110-/135-micron thickness	110-/135-micron thickness	Packaging inserts; pallet tags	✓ ⁽¹¹⁰⁾ ✗ ₍₁₃₅₎	✓ ⁽¹¹⁰⁾ ✗ ₍₁₃₅₎	✓ ⁽¹¹⁰⁾ ✗ ₍₁₃₅₎	✓	✓	✓			102	N/A	-5 to +49

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Logistics

Product name	Thermal Transfer/ Direct Thermal	Product description	Key feature(s)	Application(s)	Printer recommendation						Suggested ribbon(s) (standard application)	Suggested ribbon(s) (high durability)	Maximum print speed (mm/sec)	Minimum application temperature (°C)	Service temperature (°C)
					QL	MZ	RW	Desktop	Mid-range	Xi					
Z-Select 2000T	Thermal Transfer	Premium paper label with general-purpose permanent adhesive	Superb image quality; high print speeds	Labelling of packaging material including boxes and pallets; product identification; picking; receiving				✓ [Ⓜ]	✓ [Ⓜ]	✓ [Ⓜ]	2300, 2100, 5319	3400, 3200	305	0	-20 to +80
Z-Select 2000T Removable	Thermal Transfer	Premium paper label with general-purpose removable adhesive	Removable adhesive; superb image quality; high print speeds	Product identification; removable labels for boxes, pallets, shelves or tote bins				✓	✓	✓	2300, 2100, 5319	3400, 3200	305	-15	-30 to +80
Z-Select 2000D	Direct Thermal	Premium paper label with general-purpose permanent adhesive	Excellent image quality; good moisture-resistance	Labelling of packaging material including boxes and pallets; product identification; picking; receiving	✓ [Ⓜ]			✓ [Ⓜ]	✓ [Ⓜ]	✓ [Ⓜ]			203	-5	-40 to +50
Z-Select 2000D Removable	Direct Thermal	Premium paper label with general-purpose removable adhesive	Removable adhesive; excellent image quality; good moisture resistance	Product identification; removable labels for boxes, pallets, shelves or tote bins	✓			✓ [Ⓜ]	✓	✓			203	-20	-40 to +50
Z-Select 2000D 160/190 Tag	Direct Thermal	Paper tag in 160-/190-micron thickness	160-/190-micron thickness	Packaging inserts; pallet tags	✗	✗	✗	✓ ⁽¹⁶⁰⁾ ~ ^{Ⓜ(190)}	✓	✓			152	N/A	-5 to +49
8000T Semi-Gloss	Thermal Transfer	Semi-gloss paper label with general-purpose permanent adhesive	Very good for producing coloured labels, including floodcoats and company logos	Labelling of packaging material including boxes and pallets; product identification; picking; receiving				✓	✓	✓	2300, 2100	3400, 3200	152	0	-20 to +80
8000T Semi-Gloss Deep Freeze	Thermal Transfer	Semi-gloss paper label with deep-freeze-resistant permanent adhesive	Freezer-grade adhesive that can be applied onto products as low as -25°C	Labelling of packaging material at very low temperatures; product identification; receiving				✓	✓	✓	2300, 2100	3400, 3200	152	-25	-40 to +70
8000T Semi-Gloss Piggyback	Thermal Transfer	"Piggyback" paper label with two individual layers of permanent adhesive and liner	"Piggyback" construction allows for removing the label and re-applying it to a final application	Order picking; labelling of packaging material				✗	✓	✓	2300, 2100	3400, 3200	102	0	-20 to +80
8000T All-Temp	Thermal Transfer	Premium paper label with all-temperature permanent adhesive	Superb image quality; high print speeds; wide-temperature-range adhesive	Labelling of packaging material; product identification; picking; receiving; especially where long-term storage and varying temperatures apply				✓	✓ [Ⓜ]	✓ [Ⓜ]	2300, 2100, 5319	3400, 3200	254	-8	-40 to +93
8000T Ultra-Removable	Thermal Transfer	Premium paper label with ultra-removable adhesive	Adhesive with long-term clean removability, even from paper/card; superb image quality; high print speeds	Product identification; ultra-removable labels for boxes, pallets, shelves or tote bins				✓	✓	✓	2300, 2100, 5319	3400, 3200	305	-20	-40 to +80
PolyE 3000T Gloss	Thermal Transfer	Gloss-white polyethylene label with general-purpose permanent adhesive	Recyclable with pallet shrinkwrap; low-cost synthetic; good tear-resistance compared to paper labels	Labelling of packaging material, particularly shrinkwrapped pallets				~ [Ⓜ]	✓ [Ⓜ]	✓ [Ⓜ]	4800	5095	102	+5	-10 to +60
PolyE 3000T Matte	Thermal Transfer	Matt-white polyethylene label with general-purpose permanent adhesive	Recyclable with pallet shrinkwrap; good tear-resistance compared to paper labels	Labelling of packaging material, particularly shrinkwrapped pallets				~	✓	✓	3200	4800, 5095	102	+10	-20 to +60
PolyO 3000T	Thermal Transfer	Satin-white polyolefin label with strong permanent adhesive	Recyclable with pallet shrinkwrap; good tear-resistance; strong adhesive	Labelling of packaging material, particularly shrinkwrapped pallets				~	✓ [Ⓜ]	✓ [Ⓜ]	3200	4800, 5095	102	+5	-20 to +80
PolyO 3000T Removable	Thermal Transfer	Satin-white polyolefin label with removable adhesive	Good tear-resistance; adhesive has clean removability from many surfaces	Removable product location and tote bin labelling				~	✓	✓	3200	4800, 5095	102	+5	-20 to +80
PolyPro 4000D Removable	Direct Thermal	Matt-white polypropylene label with general-purpose removable adhesive	Removable adhesive; tear-resistant	Removable product location and tote bin labelling	✓			✓	✓	✓			102	+5	-10 to +80

Key for supplies selector guide:

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Manufacturing

Product name	Thermal Transfer/ Direct Thermal	Product description	Key feature(s)	Application(s)	Printer recommendation						Suggested ribbon(s) (standard application)	Suggested ribbon(s) (high durability)	Maximum print speed (mm/sec)	Minimum application temperature (°C)	Service temperature (°C)
					QL	MZ	RW	Desktop	Mid-range	Xr					
Z-Perform 1000T	Thermal Transfer	Economy paper label with general-purpose permanent adhesive	Low-cost	Labelling of packaging material; compliance labelling; work-in-progress				✓ [Ⓜ]	✓ [Ⓜ]	✓ [Ⓜ]	2300, 5319	2100	152	0	-20 to +80
Z-Perform 1000T Removable	Thermal Transfer	Economy paper label with general-purpose removable adhesive	Removable adhesive	Work-in-progress labels				✓	✓	✓	2300, 5319	2100	152	-15	-30 to +80
Z-Perform 1000T 150/190/250 Tag	Thermal Transfer	Paper tag in 150-/190-/250-micron thickness	150-/190-/250-micron thickness	Inventory control and shop floor tracking tickets				~ ⁽¹⁵⁰⁾ ~ ⁽¹⁹⁰⁾ ✗ ⁽²⁵⁰⁾	✓	✓	2300, 2100, 5319	3400, 3200	152 ⁽¹⁵⁰⁾ 152 ⁽¹⁹⁰⁾ 102 ⁽²⁵⁰⁾	N/A	-46 to +93
Z-Perform 1000D 110/135 Tag	Direct Thermal	Paper tag in 110-/135-micron thickness	110-/135-micron thickness	Inventory control and shop floor tracking tickets	✓ [Ⓜ] ₍₁₁₀₎ ✗ ₍₁₃₅₎	✓ ⁽¹¹⁰⁾ ✗ ₍₁₃₅₎	✓ ⁽¹¹⁰⁾ ✗ ₍₁₃₅₎	✓	✓	✓			102	N/A	-5 to +49
Z-Select 2000T	Thermal Transfer	Premium paper label with general-purpose permanent adhesive	Superb image quality; high print speeds	Labelling of packaging material; compliance labelling; work-in-progress				✓ [Ⓜ]	✓ [Ⓜ]	✓ [Ⓜ]	2300, 2100, 5319	3400, 3200	305	0	-20 to +80
Z-Select 2000T Removable	Thermal Transfer	Premium paper label with general-purpose removable adhesive	Removable adhesive; superb image quality; high print speeds	Work-in-progress labels				✓	✓	✓	2300, 2100, 5319	3400, 3200	305	-15	-30 to +80
Z-Select 2000D 160/190 Tag	Direct Thermal	Paper tag in 160-/190-micron thickness	160-/190-micron thickness	Inventory control and shop floor tracking tickets	✗	✗	✗	✓ ⁽¹⁶⁰⁾ ~ [Ⓜ] ₍₁₉₀₎	✓	✓			152	N/A	-5 to +49
8000T Semi-Gloss Deep Freeze	Thermal Transfer	Semi-gloss paper label with deep-freeze-resistant permanent adhesive	Freezer-grade adhesive that can be applied onto products as low as -25°C	Cold-storage labelling of frozen goods				✓	✓	✓	2300, 2100	3400, 3200	152	-25	-40 to +70
8000T Semi-Gloss Piggyback	Thermal Transfer	"Piggyback" paper label with two individual layers of permanent adhesive and liner	"Piggyback" construction allows for removing the label and re-applying it to a final application	Labelling of packaging material; work-in-progress				✗	✓	✓	2300, 2100	3400, 3200	102	0	-20 to +80
8000T All-Temp	Thermal Transfer	Premium paper label with all-temperature permanent adhesive	Superb image quality; high print speeds; wide-temperature-range adhesive	Labelling of packaging material; compliance labelling; work-in-progress, especially where varying temperatures apply				✓	✓ [Ⓜ]	✓ [Ⓜ]	2300, 2100, 5319	3400, 3200	254	-8	-40 to +93
PolyE 3000T Gloss	Thermal Transfer	Gloss white polyethylene label with general-purpose permanent adhesive	Excellent scratch-resistance when printed with resin ribbon; low-cost synthetic	Work-in-progress labels				~ [Ⓜ]	✓ [Ⓜ]	✓ [Ⓜ]	4800	5095	102	+5	-10 to +60
PolyE 4000T Matte High Tack	Thermal Transfer	Matt white polyethylene label with high-tack permanent adhesive	High-tack adhesive for labelling difficult surfaces	Labelling products with oily, greasy or damp surfaces				✗	✓	✓	3200	4800, 5095	102	0	-20 to +60
PolyO 3000T	Thermal Transfer	Satin white polyolefin label with strong permanent adhesive	Strong, rubber-based adhesive will adhere to most plastics and metals	Chemical drum labelling; small-parts labelling				~	✓ [Ⓜ]	✓ [Ⓜ]	3200	4800, 5095	102	+5	-20 to +80
PolyPro 3000T Gloss	Thermal Transfer	Gloss white polypropylene label with general-purpose permanent adhesive	Excellent scratch-resistance when printed with resin ribbon; low-cost synthetic	Chemical drum and industrial product labelling				~	✓	✓	4800	5095	102	+5	-20 to +80

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Manufacturing

Product name	Thermal Transfer/ Direct Thermal	Product description	Key feature(s)	Application(s)	Printer recommendation						Suggested ribbon(s) (standard application)	Suggested ribbon(s) (high durability)	Maximum print speed (mm/sec)	Minimum application temperature (°C)	Service temperature (°C)
					QL	MZ	RW	Desktop	Mid-range	Xr					
PolyPro 4000T Matte	Thermal Transfer	Matt-white polypropylene label with general-purpose permanent adhesive	Superb image quality; lower-cost alternative to polyester for capital asset tracking	Chemical drum and industrial product labelling; capital asset tracking				~	✓	✓	3200	4800, 5095	102	+10	-40 to +80
PolyPro 4000T 216 Tag	Thermal Transfer	Matt-white polypropylene tag	Tear-resistant, durable	Outdoor product tagging of wire, cable and fabricated parts				~	✓	✓	3200	4800, 5095	102	N/A	-40 to +77
Z-Ultimate 3000T White	Thermal Transfer	Gloss-white polyester label with general-purpose permanent adhesive	UL/CSA acceptances when matched with Zebra 4800, 5095 and 5100 ribbons	UL/CSA compliance product labelling; capital asset tracking; component labelling; rating plate labelling; topside PCB labelling; automotive labelling				✓ [Ⓢ]	✓ [Ⓢ]	✓ [Ⓢ]	4800, 5095	5100	152	+10	-40 to +150
Z-Ultimate 3000T Silver	Thermal Transfer	Gloss-silver polyester label with general-purpose permanent adhesive	UL/CSA acceptances when matched with Zebra 4800, 5095 and 5100 ribbons	UL/CSA compliance product labelling; capital asset tracking; component labelling; rating plate labelling; topside PCB labelling; automotive labelling				✓ [Ⓢ]	✓ [Ⓢ]	✓ [Ⓢ]	4800, 5095	5100	152	+10	-40 to +150
Z-Ultimate 3000T Clear	Thermal Transfer	Gloss-clear polyester label with general-purpose permanent adhesive	Durable transparent/clear label	Capital asset tracking; component labelling; also used as a protective over-laminating label to protect important pre-printed information from harsh chemicals				~	✓	✓	4800, 5095	5100	102	0	-40 to +150
Z-Ultimate 3000T Yellow	Thermal Transfer	Gloss-yellow polyester label with general-purpose permanent adhesive	Durable yellow polyester label	Hazard warning labels for dangerous substances; capital asset tracking				~	✓	✓	4800, 5095	5100	102	+5	-10 to +60
Z-Ultimate 3000T High-Tack	Thermal Transfer	Gloss-white polyester label with high-tack permanent adhesive	High-tack adhesive for application to a wide variety of surfaces	Labelling of hard-to-label surfaces in electronics industry, such as painted components and irregularly shaped plastic parts				✗	✓	✓	4800, 5095	5100	152	+10	-40 to +150
Z-Ultimate 3000T Removable	Thermal Transfer	Gloss-white polyester label with general-purpose removable adhesive	Removable adhesive; UL indoor acceptance when matched with Zebra 5095 and 5100 ribbons	UL compliance product labelling; work-in-progress labels where there is exposure to friction and moving parts; manufacture of hard disk drives				~	✓	✓	4800, 5095	5100	152	+10	-29 to +150
Z-Ultimate 4000T 175 Tag	Thermal Transfer	Gloss-white polyester tag	High-temperature performance, up to 200°C (short-term exposure); excellent environmental resistance	Outdoor storage tags; water-immersed tags; high-temperature work-in-progress tagging in the metal industry				✗	✓	✓	4800, 5095	5100	102	N/A	-40 to +200
Z-Xtreme 4000T White	Thermal Transfer	Matt-white polyester label with general-purpose permanent acrylic adhesive	Excellent resistance to chemicals; UL/CSA acceptances when matched with Zebra 3200, 4800, 5095 and 5100 ribbons	UL/CSA compliance product labelling; capital asset tracking; component labelling; rating plate labelling; automotive labelling				~	~	✓	3200, 4800, 5095	5100	102	+10	-40 to +150
Z-Xtreme 4000T White High Tack	Thermal Transfer	Matt-white polyester label with high-tack permanent adhesive	Excellent resistance to chemicals; UL/CSA acceptances when matched with Zebra 3200, 4800, 5095 and 5100 ribbons	UL/CSA compliance product labelling; capital asset tracking; component labelling; rating plate labelling; hard-to-label surfaces				~	~	✓	3200, 4800, 5095	5100	102	+5	-40 to +150
Z-Xtreme 4000T Silver High Tack	Thermal Transfer	Matt-silver polyester label with high-tack permanent adhesive	Excellent resistance to chemicals; UL/CSA acceptances when matched with Zebra 3200, 4800, 5095 and 5100 ribbons	UL/CSA compliance product labelling; capital asset tracking; component labelling; rating plate labelling; hard-to-label surfaces				~	~	✓	3200, 4800, 5095	5100	102	+5	-40 to +150

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Manufacturing

Product name	Thermal Transfer/ Direct Thermal	Product description	Key feature(s)	Application(s)	Printer recommendation						Suggested ribbon(s) (standard application)	Suggested ribbon(s) (high durability)	Maximum print speed (mm/sec)	Minimum application temperature (°C)	Service temperature (°C)
					QL	MZ	RW	Desktop	Mid-range	Xr					
Z-Supreme 3000T White	Thermal Transfer	Matt-white polyetherimide with a high-temperature-resistant adhesive	High temperature- and solvent resistance	Printed circuitboard top-side labelling up to 350°C (short-term exposure); high-temperature industrial applications				✗	~	✓	4800, 5095	5100	51	+5	-40 to +350
Z-Supreme 4000T White	Thermal Transfer	Matt-white polyimide with a high-temperature-resistant adhesive	Extremely high temperature- and solvent resistance	Printed circuitboard top- and bottom-side labelling up to 575°C (short-term exposure); high-temperature industrial applications				✗	~	✓	5095	5100	51	+10	-40 to +575
Z-Supreme 4000T Yellow	Thermal Transfer	Gloss-yellow polyimide (Kapton®) with a high-temperature-resistant adhesive	Extremely high temperature- and solvent resistance; yellow label	Printed circuitboard top- and bottom-side labelling up to 575°C (short-term exposure); high-temperature industrial applications				✗	~	✓	5095	5100	51	+10	-40 to +575
8000T All-Temp Flex	Thermal Transfer	Satin-white polyolefin with all-temperature permanent adhesive	Wide-temperature-range adhesive; highly flexible material	Chemical drum labels; cold storage indoor and outdoor labelling; adhesion to a wide variety of surfaces and packaging types				~	✓	✓	3200	4800, 5095	102	-10	-40 to +80
8000T Ultra High-Tack Matte	Thermal Transfer	Matt-white polyester with an ultra-strong high-tack adhesive	Extremely high-tack adhesive, will stick to almost any surface	Asset tracking; industrial machinery labelling; labelling of textured surfaces, plastic, painted or bare metal, some wood and concrete surfaces				✗	✓	✓	3200	4800, 5095	51	+10	-40 to +150
8000T ESD Gloss	Thermal Transfer	Gloss-white polyester electrostatic dissipative label with a high-temperature-resistant permanent adhesive	ESD coating and adhesive for electrostatic dissipation; Meets ESD S11.11 Surface Resistance Test requirements	Applications requiring resistance to electrostatic discharge; circuitboards, disk drives and other sensitive electronic components				~	✓	✓	4800, 5095	5100	102	+10	-40 to +100
8000T Void Matte	Thermal Transfer	Matt-silver polyester with a tamper-evident adhesive that leaves a "Void" pattern when label is removed	"Void" tamper-evident adhesive; UL acceptance when combined with Zebra 5095 resin ribbon	Serial-number plates; warranty/authenticity labels; tamper-evident security labels; capital asset labelling				~	✓	✓	3200	4800, 5095	51	+10	-40 to +40
8000T Silver Checkerboard	Thermal Transfer	Gloss-silver polyester with a tamper-evident adhesive that leaves a "checkerboard" pattern when label is removed	Checkerboard tamper-evident adhesive	Serial-number plates; warranty/authenticity labels; tamper-evident security labels; capital asset labelling				✓	✓	✓	4800, 5095	5100	102	+10	-40 to +80
8000T Z-Destruct PE	Thermal Transfer	White polyethylene label that breaks apart when label is removed	Destructible facestock and aggressive adhesive giving tamper-evident feature; indoor use only	Serialised data and warranty labels; applications requiring destructible solution; ideal for high-value electronic goods				✗	✓ ^②	✓ ^②	4800, 5095	4800, 5095	51	+10	-40 to +80
8000T Z-Destruct Vinyl	Thermal Transfer	White vinyl label that breaks apart when label is removed	Destructible facestock and aggressive adhesive giving tamper-evident feature; indoor and outdoor use	Serialised data and warranty labels; applications requiring destructible solution; ideal for high-value electronic goods				✗	✓	✓	4800, 5095	5100	51	+4	-46 to +93
8000T Light-Weight 203 Tag	Thermal Transfer	Tyvek® tag that provides tear-resistance and durability	Lightweight synthetic tag; stronger and more moisture-resistant than paper	Sewn-in tags; seat-belt tags; outdoor product storage tags				✗	✓	✓	5319	5319	51	N/A	-73 to +130
8000T Tuff 190 Tag	Thermal Transfer	White polyolefin tag that provides tear-resistance and outdoor use	Outdoor durability for up to 2 years	Outdoor product storage tags				✗	✓	✓	3400, 3200	4800, 5095	102	N/A	-57 to +93
8000T Ultra Tuff 240 Tag	Thermal Transfer	Multi-layered white polyethylene tag that provides the highest tear-resistance and durability	Extremely tear-resistant strong tag, suitable for outdoor use for up to 2 years	Construction applications; outdoor product tagging of cable, wire and fabricated parts; lumber tags				✗	~	✓	3400, 3200	4800, 5095	51	N/A	-57 to +82

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Parking

Product name	Thermal Transfer/ Direct Thermal	Product description	Key feature(s)	Application(s)	Printer recommendation						Suggested ribbon(s) (standard application)	Suggested ribbon(s) (high durability)	Maximum print speed (mm/sec)	Minimum application temperature (°C)	Service temperature (°C)
					QL	MZ	RW	Desktop	Mid-range	Xi					
Z-Perform 1000D 60/80 Receipt	Direct Thermal	Receipt paper in 60-/80-micron thickness	Low-cost, 60-/80-micron receipt paper; indoor-archivable for up to 5 years	Parking fines or parking infringement notices									102	N/A	-5 to +49
8000D 10-Year Receipt	Direct Thermal	Long-term archivable receipt paper	60-micron receipt paper; indoor-archivable for up to 10 years	Parking fines or parking infringement notices where long-term archivability is required									102	N/A	-5 to +49
8000D High-Temp Receipt	Direct Thermal	Receipt paper with resistance to high temperatures and UV light	Offers superior resistance to UV light and short-term exposure to temperatures up to 90°C	Parking fines or parking infringement notices in environments with high temperatures and sun exposure									102	N/A	-5 to +90



Post & Parcel

Product name	Thermal Transfer/ Direct Thermal	Product description	Key feature(s)	Application(s)	Printer recommendation						Suggested ribbon(s) (standard application)	Suggested ribbon(s) (high durability)	Maximum print speed (mm/sec)	Minimum application temperature (°C)	Service temperature (°C)
					QL	MZ	RW	Desktop	Mid-range	Xi					
Z-Perform 1000T	Thermal Transfer	Economy paper label with general-purpose permanent adhesive	Low-cost	Shipping labels							 2300, 5319	 2100	152	0	-20 to +80
Z-Perform 1000D	Direct Thermal	Economy paper label with general-purpose permanent adhesive	Low-cost	Shipping labels									102	0	-20 to +50
Z-Perform 1000D 60/80 Receipt	Direct Thermal	Receipt paper in 60-/80-micron thickness	Low-cost, 60-/80-micron receipt paper; indoor-archivable for up to 5 years	Mobile “special delivery” receipt printing and delivery note printing; payment-receipt printing at post office counters									102	N/A	-5 to +49
Z-Select 2000T	Thermal Transfer	Premium paper label with general-purpose permanent adhesive	Superb image quality; high print speeds	Shipping labels							 2300, 2100, 5319	 3400, 3200	305	0	-20 to +80
Z-Select 2000D	Direct Thermal	Premium paper label with general-purpose permanent adhesive	Excellent image quality; good moisture-resistance	Shipping labels									203	-5	-40 to +50
8000T Semi-Gloss	Thermal Transfer	Semi-gloss paper label with general-purpose permanent adhesive	Very good for producing coloured labels, including floodcoats and company logos	Shipping labels							 2300, 2100	 3400, 3200	152	0	-20 to +80
8000D 10-Year Receipt	Direct Thermal	Long-term archivable receipt paper	60-micron receipt paper; indoor-archivable for up to 10 years	Mobile “special delivery” receipt printing and delivery note printing where long-term archivability is required									102	N/A	-5 to +49

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Public Transport

Product name	Thermal Transfer/ Direct Thermal	Product description	Key feature(s)	Application(s)	Printer recommendation						Suggested ribbon(s) (standard application)	Suggested ribbon(s) (high durability)	Maximum print speed (mm/sec)	Minimum application temperature (°C)	Service temperature (°C)
					OL	MZ	RW	Desktop	Mid-range	Xi					
Z-Perform 1000D 110 Tag	Direct Thermal	Paper tag in 110-micron thickness	110-micron thickness	Passenger tickets	✓ [Ⓜ]	✓	✓	✓	✓	✓			102	N/A	-5 to +49
Z-Select 2000D 160/190 Tag	Direct Thermal	Paper tag in 160-/190-micron thickness	160-/190-micron thickness	Passenger tickets	✗	✗	✗	✓ ⁽¹⁶⁰⁾ ~ ^{Ⓜ(190)}	✓	✓			152	N/A	-5 to +49



Retail

Product name	Thermal Transfer/ Direct Thermal	Product description	Key feature(s)	Application(s)	Printer recommendation						Suggested ribbon(s) (standard application)	Suggested ribbon(s) (high durability)	Maximum print speed (mm/sec)	Minimum application temperature (°C)	Service temperature (°C)
					OL	MZ	RW	Desktop	Mid-range	Xi					
Z-Perform 1000D	Direct Thermal	Economy paper label with general-purpose permanent adhesive	Low-cost	Product and price labelling; bakery/delicatessen labelling	✓			✓ [Ⓜ]	✓ [Ⓜ]	✓ [Ⓜ]			102	0	-20 to +50
Z-Perform 1000D Removable	Direct Thermal	Economy paper label with general-purpose removable adhesive	Removable adhesive	Removable shelf-edge labels or price labels	✓			✓	✓	✓			102	-10	-30 to +70
Z-Perform 1000T 150/190 Tag	Thermal Transfer	Paper tag in 150-/190-micron thickness	150-/190-micron thickness	Shelf-edge tags				~	✓	✓			152	N/A	-46 to +93
Z-Perform 1000D 110/135 Tag	Direct Thermal	Paper tag in 110-/135-micron thickness	110-/135-micron thickness	Shelf-edge tags; high-quality coupons	✓ ^{Ⓜ(110)} ✗ ⁽¹³⁵⁾	✓ ⁽¹¹⁰⁾ ✗ ⁽¹³⁵⁾	✓ ⁽¹¹⁰⁾ ✗ ⁽¹³⁵⁾	✓	✓	✓			102	N/A	-5 to +49
Z-Perform 1000D 60/80 Receipt	Direct Thermal	Receipt paper in 60-/80-micron thickness	Low-cost, 60-/80-micron receipt paper; indoor-archivable for up to 5 years	Queue-busting, mobile point-of-sale and coupon printing	✗ ⁽⁶⁰⁾ ✓ ^{Ⓜ(80)}	✓ [Ⓜ]	✓ [Ⓜ]	✗ ⁽⁶⁰⁾ ✓ ^{Ⓜ(80)}	✗	✗			102	N/A	-5 to +49
Z-Select 2000D	Direct Thermal	Premium paper label with general-purpose permanent adhesive	Excellent image quality; good moisture-resistance	Product and price labelling, including price markdown of chilled goods	✓ [Ⓜ]			✓ [Ⓜ]	✓ [Ⓜ]	✓ [Ⓜ]			203	-5	-40 to +50
Z-Select 2000D Removable	Direct Thermal	Premium paper label with general-purpose removable adhesive	Removable adhesive; excellent image quality; good moisture-resistance	Removable shelf-edge labels; product and price promotion labelling where clean removability is required	✓			✓ [Ⓜ]	✓	✓			203	-20	-40 to +50
Z-Select 2000D 160/190 Tag	Direct Thermal	Paper tag in 160-/190-micron thickness	160-/190-micron thickness	Shelf-edge tags	✗	✗	✗	✓ ⁽¹⁶⁰⁾ ~ ^{Ⓜ(190)}	✓	✓			152	N/A	-5 to +49
8000D Blockout	Direct Thermal	Paper label with permanent black adhesive	Black adhesive which hides previously printed information	Price labelling or price markdown to cover up the old price	✓			✓	✓	✓			102	0	-10 to +50
8000D Quickprint	Direct Thermal	Premium paper label with general-purpose permanent adhesive	Fast print speeds; extended battery life on mobile printers; good moisture-resistance	Product and price labelling, including price markdown of chilled goods	✓			✓	✓	✓			254	-5	-40 to +50
8000D Red Image	Direct Thermal	Paper label that provides a red or black image	According to printer settings, produces either a red or black image	Price markdown; red image highlights new pricing to customers	✓			✓					102	0	-20 to +50

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Retail

Product name	Thermal Transfer/ Direct Thermal	Product description	Key feature(s)	Application(s)	Printer recommendation						Suggested ribbon(s) (standard application)	Suggested ribbon(s) (high durability)	Maximum print speed (mm/sec)	Minimum application temperature (°C)	Service temperature (°C)
					QL	MZ	RW	Desktop	Mid-range	Xi					
8000D 10-Year Receipt	Direct Thermal	Long-term archivable receipt paper	60-micron receipt paper; indoor-archivable for up to 10 years	Queue-busting; mobile point-of-sale and coupon printing where long-term archivable is required	✗	✓	✓	✗	✗	✗			102	N/A	-5 to +49
8000T Semi-Gloss Removable	Thermal Transfer	Semi-gloss paper label with general-purpose removable adhesive	Removable adhesive; very good for producing coloured labels, including floodcoats and company logos	Product and price promotion labelling				✓	✓	✓	2300, 2100	3400, 3200	152	-15	-30 to +80
8000T Ultra-Removable	Thermal Transfer	Premium paper label with ultra-removable adhesive	Adhesive with long-term clean removability, even from paper/card; superb image quality; high print speeds	Removable shelf-edge labels; product and price promotion labelling where long-term clean removability is required				✓	✓	✓	2300, 2100, 5319	3400, 3200	305	-20	-40 to +80
PolyE 3000T Gloss	Thermal Transfer	Gloss-white polyethylene label with general-purpose permanent adhesive	Outdoor resistance for up to 9 months	Indoor and outdoor shelf-edge and product labelling				~ [Ⓩ]	✓ [Ⓩ]	✓ [Ⓩ]	4800	5095	102	+5	-10 to +60
PolyE 3000T Matte	Thermal Transfer	Matt-white polyethylene label with general-purpose permanent adhesive	Outdoor resistance for up to 9 months	Indoor and outdoor shelf-edge and product labelling				~	✓	✓	3200	4800, 5095	102	+10	-20 to +60
PolyO 3000T Removable	Thermal Transfer	Satin-white polyolefin label with removable adhesive	Outdoor resistance for up to 12 months	Product and price promotion labelling where clean removability is required				~	✓	✓	3200	4800, 5095	102	+5	-20 to +80
PolyPro 4000D	Direct Thermal	Matt-white polypropylene label with general-purpose permanent adhesive	Tear-resistant; outdoor resistance for up to 3 months	Shelf-edge labelling	✓ [Ⓩ]			✓	✓	✓			102	+5	-20 to +80
PolyPro 4000D Removable	Direct Thermal	Matt-white polypropylene label with general-purpose removable adhesive	Removable adhesive; tear-resistant; outdoor resistance for up to 3 months	Removable shelf-edge labelling	✓			✓	✓	✓			102	+5	-10 to +80
PolyPro 3000T Clear	Thermal Transfer	Gloss-clear polypropylene label with general-purpose permanent adhesive	Transparent/clear label	Promotional labelling				~	✓	✓	3200	4800, 5095	102	+5	-20 to +80
8000T Void Matte	Thermal Transfer	Matt-silver polyester with a tamper-evident adhesive that leaves a "Void" pattern when label is removed	"Void" tamper-evident adhesive	Price labelling of high-value products				~	✓	✓	3200	4800, 5095	51	+10	-40 to +40
8000T Silver Checkerboard	Thermal Transfer	Gloss-silver polyester with a tamper-evident adhesive that leaves a "checkerboard" pattern when label is removed	"Checkerboard" tamper-evident adhesive	Price labelling of high-value products				✓	✓	✓	4800, 5095	5100	102	+10	-40 to +80
8000T Light-Weight 203 Tag	Thermal Transfer	Tyvek tag that provides tear-resistance and durability	Lightweight synthetic tag; stronger and more moisture-resistant than paper	Greenhouse and nursery tags, outdoor storage product tags				✗	✓	✓	5319	5319	51	N/A	-73 to +130
8000T Tuff 190 Tag	Thermal Transfer	White polyolefin tag that provides tear-resistance and outdoor use	Outdoor durability for up to 2 years	Plant tagging in greenhouses and nurseries				✗	✓	✓	3400, 3200	4800, 5095	102	N/A	-57 to +93

Key for supplies selector guide:

- ✓ Label material is recommended for use in this series of printers.
- ~ Label material must be tested in printer before purchase – print quality will depend on required print size, speed and ribbon used.
- ✗ Label material is not recommended for use in this series of printers.
- Label material and printer are incompatible.
- Ⓩ ZipShip stocked item



Utilities

Product name	Thermal Transfer/ Direct Thermal	Product description	Key feature(s)	Application(s)	Printer recommendation						Suggested ribbon(s) (standard application)	Suggested ribbon(s) (high durability)	Maximum print speed (mm/sec)	Minimum application temperature (°C)	Service temperature (°C)
					QL	MZ	RW	Desktop	Mid-range	Xr					
Z-Ultimate 3000T White	Thermal Transfer	Gloss-white polyester label with general-purpose permanent adhesive	Durable, scratch- and smear-resistant	Durable asset-tracking and inventory control labels; pre-prepared inspection labels				✓ [Ⓩ]	✓ [Ⓩ]	✓ [Ⓩ]	4800, 5095	5100	152	+10	-40 to +150
Z-Xtreme 4000T White	Thermal Transfer	Matt-white polyester label with general-purpose permanent acrylic adhesive	Durable, scratch- and smear-resistant. Excellent resistance to chemicals and cleaning fluids	Durable asset-tracking and inventory control labels; inspection labels				~	~	✓	3200, 4800, 5095	5100	102	+10	-40 to +150
8000T Z-Destruct Vinyl	Thermal Transfer	White vinyl label that breaks apart when label is removed	Destructible facestock and aggressive adhesive giving tamper-evident feature; indoor and outdoor use	Pre-prepared serialised data and warranty labels for inspection labels and asset-tracking outdoor utility meters				✗	✓	✓	4800, 5095	5100	51	+4	-46 to +93
Z-Perform 1000D 60/80 Receipt	Direct Thermal	Receipt paper in 60-/80-micron thickness	Low-cost, 60-/80-micron receipt paper; indoor-archivable for up to 5 years	Mobile inspection receipts and delivery documentation; service recording and invoice printing	✗ ⁽⁶⁰⁾ ✓ ^{Ⓩ(80)}	✓ [Ⓩ]	✓ [Ⓩ]	✗ ⁽⁶⁰⁾ ✓ ^{Ⓩ(80)}	✗	✗			102	N/A	-5 to +49
Z-Select 2000D	Direct Thermal	Premium paper label with general-purpose permanent adhesive	Excellent image quality; good moisture-resistance	Mobile printed inspection labels; ID labels	✓ [Ⓩ]			✓ [Ⓩ]	✓ [Ⓩ]	✓ [Ⓩ]			203	-5	-40 to +50

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