



Supplies Selector Guide

High Quality, Reliable Media and Ribbon Solutions

Why choose Genuine Zebra® supplies?

Zebra's labels, tags, wristbands, and ribbons are specifically engineered for Zebra printers to optimize performance. Made to a higher standard, just like Zebra printers, Genuine Zebra printer supplies leave a superior impression. Our media:

- Minimize wear and tear on your printhead, reducing maintenance costs.
- Maximize print quality from your Zebra printer.
- Come in a variety of types so you have a bigger selection for your specific application, whether you're printing retail receipts, nursery tags, or security badges.
- Resist chemicals and solvents (e.g., Z-Xtreme™).
- Adhere in cold, hot, rough, or dirty environments (e.g., PolyTrans™ High Heat, CryoCool™).
- Ship quickly—in one day for in-stock Zip Ship items, and in as little as four for custom orders.

Whether your application requires labels for chemical drums or circuit boards, tickets for a shuttle bus, ribbons that print extra long-lasting images, or tags that withstand chemicals and solvents, Zebra has the right supplies solution. Other applications include:

- CryoCool for cryogenic labeling
- Z-Ultimate® for top-sided PCB labeling and UL/CSA accepted labeling requiring superior environmental resistance
- Z-Band® wristbands for patient ID and event access; available as tamper-evident



Connect with it. Count on it.™

Supplies Selector Guide



Ordering options

In-stock media for "Zip Ship" service

Hundreds of in-stock thermal transfer and direct thermal labels, tickets, and tags can be shipped to you within one business day through Zebra's Zip Ship program. No one in the industry stocks as many materials and sizes, perfectly matched to your Zebra printer.

Custom media

Zebra also offers custom converting capabilities for your special requirements. We carry an extensive library of more than 10,000 standard dies (rectangular shaped) for manufacturing die-cut, pressure-sensitive labels. Or, if needed, we can produce new dies quickly and economically. All design, die work, conversions, and preprinting (up to six colors) can be handled on-site at Zebra. And custom media arrives in as little as four working days! Contact Zebra for more information on custom materials.

Try before you buy

Not sure what you need? Just call Zebra with your request. Through Zebra's Proto X-Press program, our R&D team can make custom label/tag prototypes to meet your unique needs. In addition, they can simulate your application's environment and run tests on abrasion, outdoor exposure, low or high temperatures, peel, adhesion, release levels, and more.

Ready to order?

Contact your Zebra Authorized Reseller. For the name of a reseller, call Zebra at 800.423.0442.



How to choose your Zebra® media and ribbon

How do you decide on your media and ribbon combination? Start by answering the following questions:

- Do you require a label or tag?
- Must the label or tag meet UL/CSA or government specifications?
- What is the surface to which the label will be applied?
- What is the condition of the surface (smooth, grooved, dirty, clean)?
- What environmental stresses must the label/tag withstand (moisture, chemicals, abrasion, outdoors, UV light)?
- What is the minimum temperature at the time you apply the label?
- What is the temperature range the label must withstand throughout its life?
- How will the label be read?

Once these questions are answered, start with the "Primary Media" chart on pages 4-5 to determine one or more possible solutions for the application. For healthcare, retail, industrial, steel, electronics, or RFID applications, consult the "Specialty Media" chart on pages 6-7. The "Key" next to each chart will guide you in your selection.

The "Primary Media Positioning Chart" on the opposite page explains the level of performance offered by each primary label and tag. The number included in the product name (e.g., Trans Matte 2000™) indicates the level of performance within the media type (paper media or synthetic media). For example, the higher numbers in the paper pressure-sensitive labels category indicate a higher level of performance. The same is true within the synthetic category. This is not applicable between the paper and synthetic categories since each media type is vastly different in terms of function and application.

Once you have chosen your label or tag, choose your ribbon. See the far right column of the appropriate media chart (primary media on pages 4-5, specialty media on pages 6-7) for the recommended ribbon type. A comparison overview of Zebra® thermal transfer ribbons is in the chart on the opposite page. See the "Ribbon Chart" for a comparison of ribbon performance within the wax, wax/resin, and resin categories.

If you require a UL-recognized or CSA-accepted labeling solution, find appropriate label and ribbon combinations in the "UL-Recognized and CSA-Accepted Labeling Systems" chart on the opposite page.

If, after referencing this guide, you're still unsure of the proper media/ribbon combinations, please call 847.734.6700 or 800.423.0442. Your Zebra supplies specialist is ready to assist you!

Primary Media Positioning Chart

Level*	Pressure-sensitive labels		Tags	
	Paper	Synthetic	Paper	Synthetic
I	Direct 1000™ Trans 1000™	PolyO 1000™ PolyPro 1000™	Trans Tag 1070™ Trans Tag 1100™	Tyvek® 1080 Tyvek Brillion
II	Trans Matte 2000™ Direct 2000™	PolyPro 2000™ PolyO 2000™ PolyPro Direct 2000™ Z-Ultimate Select 2000	Trans Tag 2030™ Trans Tag 2050 Trans Tag 2070™ Trans Tag 2090™ Direct Tag 2060™ Direct Receipt 2024™ Direct Tag 2060™ Direct Tag 2070™	V-MAX® Tag 2070
III	Trans Matte 3000™ Trans Remove 3000™ Trans SemiGloss 3000™ Direct Remove 3000™ Direct HighSpeed 3000™ Direct QuickPrint 3000™ Z-Direct Linerless™	PolyTrans 3000 White™ PolyTrans 3000 Silver™ PolyTrans 3000 Clear™ PolyTrans 3000 Removable™	Z-Ultimate® 3000 White Z-Ultimate 3000 Silver Z-Ultimate Select 3000 White Z-Ultimate Select 3000 Silver Z-Ultimate 3000 Clear Z-Ultimate 3000 Removable	PolyPro Tag 3080™ Valeron® Tag 3100 Polyart Tag
IV	Trans HighGloss 4000™	Z-Xtreme™ 3000 White Z-Xtreme 3000 Silver	Z-Xtreme 4000 White Z-Xtreme 4000 Silver	Z-Ultimate® Tag 4100

*Level indicates performance level. Level I is the lowest performance level. Level IV is the highest. Product names printed in green are included in Zebra's Zip Ship program.

UL-recognized and CSA-accepted Labeling Systems

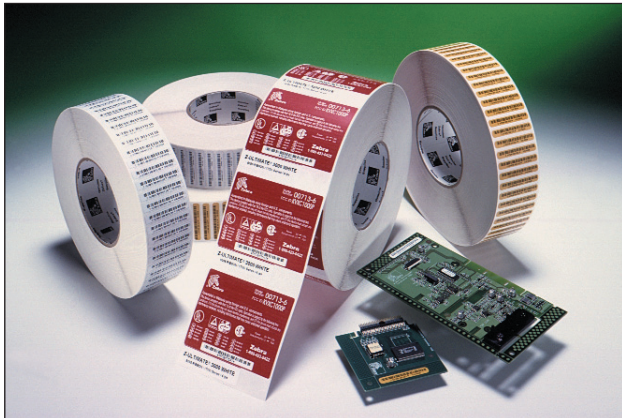
	Material	Ribbon	Recognition
Z-Xtreme™ 3000 White	Polyester	5319, 5049, 5555, 3200, 5586, 5095, 5100	UL indoor/outdoor; CSA indoor/outdoor
Z-Xtreme 3000 Silver	Polyester	5319, 5049, 5555, 3200, 5586, 5095, 5100	UL indoor/outdoor; CSA indoor/outdoor
Z-Xtreme 4000 White	Polyester	5319, 5049, 5555, 3200, 5586, 5095, 5100	UL indoor/outdoor; CSA indoor/outdoor
Z-Xtreme 4000 Silver	Polyester	5319, 5049, 5555, 3200, 5586, 5095, 5100	UL indoor/outdoor; CSA indoor/outdoor
PolyTrans 3000 White™	Polyester	2100, 3100, 3200, 5555, 5586	UL indoor/outdoor; CSA indoor/outdoor
PolyTrans 3000 Silver™	Polyester	2100, 3100, 3200, 5555, 5586	UL indoor/outdoor; CSA indoor/outdoor
PolyTrans 3000 Clear™	Polyester	2100, 3100, 3200, 5555, 5586	UL indoor/outdoor; CSA indoor/outdoor
Z-Ultimate® 3000 White	Polyester	5095, 4100, 5100	UL indoor/outdoor; CSA indoor/outdoor
Z-Ultimate 3000 Silver	Polyester	5095, 4100, 5100	UL indoor/outdoor; CSA indoor/outdoor
Z-Ultimate Select 3000 White	Polyester	5095	UL indoor/outdoor
Z-Ultimate Select 3000 Silver	Polyester	5095	UL indoor/outdoor

Many Zebra printing systems are recognized by Underwriters Laboratory (UL) and accepted by the Canadian Standards Association (CSA) for printing indoor- and outdoor-use labels. These media/ribbon combinations include the above. If your application requires a UL-recognized or CSA-accepted labeling system, please consult with your Zebra account executive to determine which printer models can be used with these UL and CSA label/ribbon combinations.

Ribbon* Chart

	Wax	Wax / Resin	Resin
Standard	2000, 2100	5555	4100
Performance	5319	3100, 3200	5095
Premium	5049	5586	5100

*Formulated for international facestocks—available to non-domestic distributors only.



Comparison of Thermal Transfer Ribbons

Ribbon	Material compatibility	Darkness setting		Speed		Scratch/smear resistance		Chemical resistance	
		Low	High	Low	High	Low	High	Low	High
2000	Coated paper								
2100	Coated paper								
5319	Uncoated paper/Coated paper								
5049	Uncoated paper/Coated paper								
5555	Coated paper/Matte synthetics								
3100	Coated paper/Matte synthetics								
3200	Coated paper/Matte synthetics								
5586	Coated paper/Matte/Gloss synthetics								
4100	Gloss synthetics								
5095	Coated paper/Matte/Gloss synthetics								
5100	Gloss synthetics								

Note: All Zebra ribbons provide some chemical resistance when matched with Z-Xtreme™ products. Contact your Zebra supplies specialist for specific information.

Primary media

Applications	Name*	Color	Material description	Adhesive types P=Permanent/R=Removable	Minimum application temp.	Service temp.	
Paper Labels	Labeling of packaging material including corrugate, plastic and metal; work-in-process	Trans 1000™	White	Smooth, non-topcoated, thermal transfer, paper labelstock; general purpose adhesive offers high initial tack	P	32°F 0°C	-4° to 176°F -20° to 80°C
	Indoor, general purpose labeling; warehouse, distribution, bakery application, address labeling	Direct 1000™	White	Bright white, smooth, non-topcoated, direct thermal, paper labelstock which produces high-contrast, black, visible light images	P	20°F -7°C	-65° to 120°F -54° to 49°C
	Labeling of packaging material including corrugate, plastic and metal; work-in-process	Trans Matte 2000™	White	Ultra smooth-coated paper with general purpose acrylic adhesive	P	25°F -4°C	-65° to 200°F -54° to 93°C
	Labeling of most packaging materials; cold-temp applications; indoor applications	Direct 2000™	White	Highly sensitive, direct thermal, coated paper with all-temperature acrylic adhesive; produces high-contrast black images	P	-20°F -29°C	-65° to 120°F -54° to 49°C
	Product identification; shipping and address labeling; packaging labels	Trans Matte 3000™	White	Ultra smooth-coated paper with all-temperature acrylic adhesive	P	-20°F -29°C	-65° to 200°F -54° to 93°C
	Product identification; shelf, bin, storage labeling; retail applications	Trans Remove 3000™	White	Ultra smooth-coated paper with general-purpose removable rubber-based adhesive	R	10°F -12°C	-65° to 120°F -54° to 49°C
	Product identification; diskette labeling; corrugate labeling	Trans SemiGloss 3000™	White	Smooth, semi-gloss paper with general-purpose, rubber-based adhesive	P	40°F 5°C	-65° to 200°F -54° to 93°C
	Indoor, general purpose labeling; labeling of most packaging materials, LOGMARS, HIBC labeling	Direct Quick Print 3000™	White	Bright white, premium, smooth, direct thermal label produces high-contrast black, visible light images; all temp permanent adhesive	P	-10°F -23°C	-40° to 120°F -40° to 49°C
	Packaging and compliance labeling; indoor labeling applications	Direct HighSpeed 3000™	White	Top-coated, direct thermal paper produces high-contrast black images at high speeds with permanent acrylic adhesive	P	25°F -4°C	-65° to 120°F -54° to 49°C
	Indoor, general purpose product and food labeling; refrigerated/frozen product labeling	Direct Remove 3000™	White	Bright white, removable, highly sensitive direct thermal label with general-purpose acrylic adhesive	R	10°F -12°C	-40° to 120°F -29° to 49°C
	Indoor, general purpose labeling; labeling of most packaging materials, cold-temp applications	Z-Direct Linerless™	White	Bright white, smooth, direct thermal, linerless paper labelstock produces high-contrast black images	P	50°F 10°C	-40° to 170°F -40° to 76°C
	High-gloss retail and consumer goods packaging labels; preprinted color labels	Trans HighGloss 4000™	White	High-gloss, cast-coated paper with permanent acrylic adhesive	P	25°F -4°C	-65° to 200°F -54° to 93°C
Synthetic Labels	Chemical drum labeling; product labeling; retail applications; recyclable shrink wrap applications	PolyO 1000™	White	Flexible, opaque white, corona-treated polyolefin film with general-purpose acrylic adhesive	P	25°F -4°C	-20° to 176°F -29° to 80°C
	Packaging labels; chemical, medical, food, and drug labeling; corrugate labels for freezer storage	PolyPro 1000™	White	Coated polypropylene with general-purpose acrylic adhesive	P	45°F 7°C	-65° to 200°F -54° to 93°C
	Packaging labels; chemical, medical, food, and drug labeling; corrugate labels for freezer storage	PolyPro 2000™	White	Coated polypropylene with general-purpose acrylic adhesive	P	45°F 7°C	-40° to 250°F -40° to 121°C
	Chemical drum labels; medical and pharmaceutical labeling; cold-temp applications	PolyO 2000™	White	Corona-treated polyolefin film with general-purpose acrylic adhesive	P	10°F -12°C	-20° to 176°F -29° to 80°C
	Indoor, general purpose labeling; product labeling; packaging materials	PolyPro Direct 2000™	White	A highly sensitive direct thermal polypropylene facestock with acrylic general-purpose adhesive	P	18°F -8°C	-22° to 120°F -30° to 49°C
	UL/CSA accepted labels; harsh indoor and outdoor environments	PolyTrans 3000 White™	White	Matte-coated polyester with permanent acrylic adhesive	P	50°F 10°C	-20° to 300°F -29° to 149°F
	UL/CSA accepted labels; serial number and name plates	PolyTrans 3000 Silver™	Silver	Matte-coated polyester with permanent acrylic adhesive	P	50°F 10°C	-20° to 300°F -29° to 149°F
	Printable clear overlayers; product labeling on colored surfaces; UL/CSA accepted	PolyTrans 3000 Clear™	Clear	Matte-coated polyester with permanent acrylic adhesive	P	50°F 10°C	-20° to 300°F -29° to 149°F
	Durable, removable shelf, bin, furniture, or product labels	PolyTrans 3000 Removable™	White	Matte-coated polyester with removable acrylic adhesive	R	50°F 10°C	-20° to 300°F -29° to 149°F
	Top-sided PCB labeling; UL/CSA accepted labeling requiring superior environmental resistance	Z-Ultimate® 3000 White	White	Coated polyester provides extreme resistance to smearing, abrasion, heat, and environmental stress	P	50°F 10°C	-20° to 300°F -29° to 149°F
	Top-sided PCB labeling; UL/CSA accepted labeling requiring superior environmental resistance	Z-Ultimate® 3000 Silver	Silver	Coated polyester provides extreme resistance to smearing, abrasion, heat, and environmental stress	P	50°F 10°C	-20° to 300°F -29° to 149°F
	Top-sided PCB labeling; UL/CSA accepted labeling required superior environmental resistance and high initial tack	Z-Ultimate® Select 2000 White	White	Coated polyester provides extreme resistance to smearing, abrasion, heat and env. stress with a high tack acrylic adhesive	P	10°F -12°C	-40° to 302°F -40° to 150°C
	Top-sided PCB labeling; UL/CSA accepted labeling required superior environmental resistance and high initial tack	Z-Ultimate® Select 3000 White	White	Coated polyester provides extreme resistance to smearing, abrasion, heat and env. stress with a high tack acrylic adhesive	P	10°F -12°C	-40° to 356°F -40° to 180°C
	Top-sided PCB labeling; UL/CSA accepted labeling required superior environmental resistance and high initial tack	Z-Ultimate® Select 3000 Silver	Silver	Coated polyester provides extreme resistance to smearing, abrasion, heat and env. stress with a high tack acrylic adhesive	P	10°F -12°C	-40° to 356°F -40° to 180°C
	Printable clear overlayers to withstand abrasion and environmental abuse; mirror-image labels	Z-Ultimate® 3000 Clear	Clear	Coated polyester provides extreme resistance to smearing, abrasion, heat and env. stress with a high tack acrylic adhesive	P	50°F 10°C	-20° to 300°F -29° to 149°F
	Removable shelf or scan-pallet labels; label in contact with moving parts or friction	Z-Ultimate® 3000 Removable	White	Coated polyester with removable acrylic adhesive	R	50°F 10°C	-40° to 250°F -40° to 121°F
	UL/CSA accepted labels requiring chemical and solvent resistance; electric motor labeling; medical device labeling; product ID	Z-Xtreme™ 3000 White	White	Matte-coated polyester resists chemicals and solvents when matched with correct Zebra ribbon; rubber-based adhesive	P	40°F 5°C	-40° to 300°F -40° to 149°C
	UL/CSA accepted labels requiring chemical and solvent resistance; electric motor labeling; medical device labeling; product ID	Z-Xtreme™ 3000 Silver	Silver	Matte-coated polyester resists chemicals and solvents when matched with correct Zebra ribbon; rubber-based adhesive	P	40°F 5°C	-40° to 300°F -40° to 149°C
	UL/CSA accepted labels requiring chemical and solvent resistance; medical device labeling; product ID; serial/rating plate labeling	Z-Xtreme™ 4000 White	White	Matte-coated polyester resists chemicals and solvents when matched with correct Zebra ribbon; acrylic-based adhesive	P	50°F 10°C	-40° to 300°F -40° to 149°C
	UL/CSA accepted labels requiring chemical and solvent resistance; serial/rating plate; medical device; electric motor labeling	Z-Xtreme™ 4000 Silver	Silver	Matte-coated polyester resists chemicals and solvents when matched with correct Zebra ribbon; acrylic-based adhesive	P	50°F 10°C	-40° to 300°F -40° to 149°C
Paper Tags	General purpose paper tagstock for retail and industrial use; compliance tagging	Trans Tag 1070™	White	Smooth, uncoated 7 mil paper	-	-	-50° to 250°F -46° to 121°C
	General purpose ticketing; retail hang tags; inventory and shop floor tracking tickets	Trans Tag 1100™	White	Uncoated 10 mil paper	-	-	-50° to 250°F -46° to 121°C
	Staple-on tickets; plastic bag inserts; packing lists	Trans Tag 2030™	White	Ultra-smooth, coated 3 mil paper	-	-	-50° to 250°F -46° to 121°C
	General purpose ticketing; retail hang tags; inventory and shop floor tracking tickets	Trans Tag 2050™	White	Ultra-smooth, coated 5 mil paper	-	-	-50° to 250°F -46° to 121°C
	General purpose ticketing; retail hang tags; inventory and shop floor tracking tickets	Trans Tag 2070™	White	Ultra-smooth, coated 7 mil paper	-	-	-50° to 250°F -46° to 121°C
	General purpose ticketing; retail hang tags; inventory and shop floor tracking tickets	Trans Tag 2090™	White	Smooth, coated 9 mil paper	-	-	-50° to 250°F -46° to 121°C
	Retail receipts, car rental receipts, general purpose ticketing	Direct Receipt 2024™	White	Uncoated, direct thermal, 2.4 mil receipt paper produces high-contrast black images	-	-	-50° to 120°F -46° to 49°C
	General purpose ticketing; shop floor tracking tickets; retail hang tag	Direct Tag 2060™	White	Top-coated, 6 mil direct thermal paper	-	-	-50° to 120°F -46° to 49°C
	General purpose ticketing; shop floor tracking tickets, retail hang tags	Direct Tag 2070™	White	Bright white, smooth, direct thermal, paper tagstock produces high-contrast, black, visible light images; thermally sensitive topcoating	-	-	-40° to 200°F -40° to 93°C
Synthetic Tags	Sewn-in tags, lawn tags, garment tags; greenhouse and nursery tags; staple-on tags; outdoor storage	Tyvek® 1080	White	Lightweight, spunbonded 8 mil olefin	-	-	-40° to 200°F -40° to 93°C
	Sewn-in tags, lawn tags, garment tags; greenhouse and nursery tags; staple-on tags; outdoor storage	Tyvek® Brillion	White	Lightweight, smooth, spunbonded 5.4 mil olefin	-	-	-40° to 200°F -40° to 93°C
	Nursery tags; lumber tags; outdoor storage tags	V-MAX® Tag 2070	White	Treated 7.5 mil polyolefin film with ultraviolet inhibitors that resist fading	-	-	-40° to 200°F -40° to 93°C
	Self-locking nursery, greenhouse, wire and cable tags; outdoor storage	PolyPro Tag 3080™	White	Coated 8 mil polypropylene tag; excellent for indoor/outdoor applications	-	-	-40° to 200°F -40° to 93°C
	Self-locking nursery, greenhouse, wire and cable tags; outdoor storage	Poly Art Tag™	White	Coated 8 mil polypropylene tag; excellent for indoor/outdoor applications	-	-	-40° to 200°F -40° to 93°C
	Heavy duty steel and wire tags; outdoor storage tags; strength and tear resistance	Valeron® Tag 3100	White	Coated 9.5 mil cross-laminate polyethylene tag provides excellent strength and tear resistance	-	-	-40° to 200°F -40° to 93°C
	Tags requiring high environmental resistance; long-term storage; water immersion	Z-Ultimate® Tag 4100	White	Polyester/polypropylene lamination resists smearing and scratching; high-strength 10 mil material	-	-	-40° to 200°F -40° to 93°C

All products should be pretested to ensure they meet all intended requirements of specific end-use applications.

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V-MAX® is a registered trademark of Van Leer Worldwide. Valeron® is a registered trademark of Van Leer Worldwide.

Surface to be labeled							Environment				Resistance			Ribbons				
Corrugate	Paper	Packaging films	Mixed plastics	Metals & glass	Rough surfaces	Curved surfaces	Moist surfaces	Outdoor, rain & sun	Outdoor, protected	Indoor	Moisture	Oil & grease	Alcohol	Abrasion	Material class. **	Standard applications	High durability	Desktop Printers
															B	2100, 5319	3200	5319
															B	—	—	—
															A	2000, 2100, 5319, 5049	5555, 3100, 3200, 5586	5319, 5586
															A	—	—	—
															A	2000, 2100, 5319, 5049	5555, 3100, 3200, 5586	5319, 5586
															B	2100, 5319, 5049	5555, 3100, 3200, 5586	5319, 5586
															C	2100, 5319, 5049	5555, 3100, 3200, 5586	5319, 5586
															B	—	—	—
															A	—	—	—
															B	—	—	—
															A	—	—	—
															B	3100, 3200, 5586	5095	5586
															B	5555, 3100, 3200, 5586	5095, 5100	5586, 5095
															B	5555, 3100, 3200, 5586	5095	5586
															B	5555, 3100, 3200, 5586	5095	5586
															B	5555, 3100, 3200, 5586	5095, 5100	5586, 5095
															C	—	—	—
															B	5555, 3100, 3200	5586	5586
															B	5555, 3100, 3200	5586	5586
															C	5555, 3100, 3200	5586	5586
															C	5555, 3100, 3200	5586	5586
															A	5095	5100, 4100	5586
															C	5095	5100, 4100	5095
															C	5095	5100, 4100	5095
															C	5095	5100, 4100	5095
															C	5095	5100, 4100	5095
															C	5095	5100, 4100	5095
															C	5095	5586, 5095	5095
															C	5319, 5049, 5555, 3100, 3200	5586, 5095	5586
															C	5319, 5049, 5555, 3100, 3200	5586, 5095	5586
															C	5319, 5049, 5555, 3100, 3200	5586, 5095	5586
															C	5319, 5049, 5555, 3100, 3200	—	5586
															B	5319, 5049	—	5319
															C	5319, 5049	—	5319
															C	2100, 5319, 5049	5555, 3100, 3200, 5586	5319, 5586
															B	2100, 5319, 5049	5555, 3100, 3200, 5586	5319, 5586
															B	2100, 5319, 5049	5555, 3100, 3200, 5586	5319, 5586
															C	2100, 5319, 5049	5555, 3100, 3200, 5586	5319, 5586
															A	—	—	—
															B	—	—	—
															B	—	—	—
															C	5319	—	5319
															C	2100, 5319	3200	5319
															C	5555, 3100, 3200	5586	5586
															C	5555, 3100, 3200	5586	5586
															C	5555, 3100, 3200	5586	5586
															C	5555, 3100, 3200	5586	5586
															C	5555, 3100, 3200	5586	5586
															C	5095	5100, 4100	5095

Key

***Product names printed in green ink** are included in Zebra's Zip Ship program—a media stocking program offering the most popular sizes of these materials. Zip Ship products ship within one business day.

Performance characteristics

- Recommended
- Test in your application
- Not recommended

****Material classification/Lead time**

A = Delivery in 6 working days for repeat orders; 8 working days for new orders (with existing die); 12 working days for new orders (requiring art work or die)

B = Delivery in 10 working days for repeat orders; 10 working days for new orders (with existing die); 12 working days for new orders (requiring art work or die)

C = As quoted by Zebra supplies specialist

D = As quoted by Zebra supplies specialist—minimum order required

Note: Quantity of order may affect actual lead time. Material subject to change. Contact a Zebra supplies specialist for current classifications.

Specialty media

	Applications	Name *	Color	Material description	Adhesive type P = Permanent (R = Removable)	Minimum application temp.	Service temp.
Healthcare	Cryogenic storage, virology labeling, genetics labeling, DNA sequencing, cold-temp applications	CryoCool 2000 White™	White	3.5 mil thermal transfer polyolefin label, resists moisture to repeated freeze and thaw cycles	P	50°F 10°C	-112° to 200°F -80° to 80°C
	Labeling of test tubes, vials, slides, specimen containers	Trans Lab 3000™	White	Smooth-coated paper label with glove-compatible adhesive that will not tear surgical gloves	P	32°F 0°C	-22° to 120°F -30° to 49°C
	Cryogenic storage, virology labeling, genetics labeling, DNA sequencing, cold-temp applications	CryoCool 3000 White™	White	2.5 mil thermal transfer polyolefin label, resists moisture to repeated freeze and thaw cycles	P	50°F 10°C	-112° to 200°F -80° to 80°C
	Cryogenic storage, virology labeling, genetics labeling, DNA sequencing, cold-temp applications	CryoCool 3000 Clear™	Clear	2 mil thermal transfer polyolefin label, resists moisture to repeated freeze and thaw cycles	P	50°F 10°C	-112° to 200°F -80° to 80°C
	Labeling of test tubes, vials, slides, specimen containers	Direct Lab 3000™	White	Top-coated direct thermal paper with special glove-compatible adhesive	P	32°F 0°C	-22° to 120°F -30° to 49°C
	Labeling of blood bags; chemical, medical, food, and drug label	Blood Bag 3000™	White	Top-coated polypropylene with permanent adhesive	P	45°F 7°C	-40° to 250°F -40° to 121°F
	Cryogenic storage, virology labeling, genetics labeling, DNA sequencing, cold-temp applications	CryoCool 4000 White™	White	2 mil thermal transfer polyolefin label, resists moisture to repeated freeze and thaw cycles	P	50°F 10°C	-112° to 302°F -80° to 150°C
	Labeling of test tubes, vials, slides, specimen containers, both visible and infrared ranges	Direct Lab IR 4000™	White	Top-coated direct thermal paper with glove-compatible adhesive; will scan in both visible and infrared ranges	P	32°F 0°C	-22° to 120°F -30° to 49°C
	Wristbands for patient identification, sporting events and amusement parks	Z-Band® 4000	White	Top-coated polyester (packaged in a kit: 3 rolls of Z-Band wristbands and 1 roll of 5095 ribbon)	P	50°F 10°C	-20° to 300°F -29° to 149°C
	Wristbands for patient identification, sporting events and amusement parks, with tamper evident feature	Z-Band® 4000 Void	White	Top-coated polyester, voidable adhesive	P	50°F 10°C	-20° to 300°F -29° to 149°C
Retail	Shelf, bin, furniture or product labeling	PolyPro 2000 Removable™	White	Matted-coated polypropylene with removable adhesive	R	45°F 7°C	-40° to 200°F -40° to 93°C
	Giftware, paper mill labeling, reusable containers	Trans Dissolve 3000 White™	White	Thermal transfer printable dissolvable label; facestock, thermal transfer image, and adhesive will dissolve in water	P	50°F 10°C	-40° to 120°F -40° to 49°C
	Jewelry tags, ring labels, small cable wiring	Z-Ultimate® 3000 Pattern	White	Coated gloss polyester with a high-strength pattern adhesive to avoid adhesive residue on products	P	45°F 7°C	-40° to 300°F -40° to 149°C
	Promotional, jewelry, plant nursery, wrist band, wire/cable wrap	Poly Tackfree 3000 White™	White	3.5 mil thermal transfer printable polypropylene label; special adhesive system only bonds to itself (bond doubles after 24 hours)	-	50°F 10°C	-40° to 170°F -40° to 76°C
Industrial	Corrugate and recycled corrugate labels; shipping labels	Trans Pak 2000™	White	Smooth, matte-coated paper with rubber-based adhesive	P	40°F 5°C	-20° to 140°F -29° to 60°C
	Shipping applications; indoor, general purpose labels; labeling of most packaging materials	Direct Near IR 3000™	White	Top coated direct thermal paper; scannable in visible and near IR wavelength; meets near IR scanning requirements of package delivery industry	P	32°F 0°C	-22° to 120°F -30° to 49°C
	Tamper-evident asset, price and serial number plate labels	PolyTrans 3000 Void™	Silver	Coated polyester film with a tamper-evident adhesive	P	50°F 10°C	-40° to 104°F -40° to 40°C
	Asset and machinery tracking; labeling textured surfaces, plastic, painted or bare metal, and some wood	PolyTrans 3000 HighTack™	White	Coated polyester with rough-surface acrylic adhesive	P	50°F 10°C	-40° to 300°F -40° to 149°C
	Serialized data and warranty labels; applications requiring destructible bar codes	Z-Destruct 3000™	White	Destructible 2 mil vinyl facestock with permanent acrylic-based adhesive	P	50°F 10°C	-20° to 176°F -29° to 80°C
	Serialized data and warranty labels; applications requiring destructible bar codes	Z-Xtreme Destruct 3000™	White	Destructible 6 mil vinyl matte topcoated, co-extruded, polystyrene film with permanent, acrylic-based adhesive	P	32°F 0°C	-4° to 302°F -20° to 80°C
	Removable shelf or scan pallet labels; removable documents labels	Trans Ultra Remove 3000™	White	Coated paper with ultra removable adhesive	P	20°F -7°C	-40° to 160°F -40° to 71°C
	Applications requiring a cover-up label; product identification; chemical containers	Trans Opaque 3000™	White	Matte finish, thermal paper with opaque adhesive	P	-20°F -29°C	-65° to 200°F -54° to 93°C
	Asset management labeling; chemical containers, product labels	PolyTrans 3000 Clear Piggyback™	White	Coated polyester that can be over-laminated with clear polyester liner	P	50°F 10°C	-40° to 300°F -40° to 149°C
	Labeling of packaging materials; order picking; work-in-process	Trans Matte 3000 Piggyback™	White	Paper piggyback direct thermal facestock can be applied to one surface, removed from second liner, then applied to another	P	25°F -4°C	-65° to 200°F -54° to 93°C
	Labeling of packaging materials; order picking; work-in-process	Direct 3000 Piggyback™	White	Direct thermal paper piggyback can be applied to one surface, removed from second liner, then applied to another	P	25°F -4°C	-65° to 120°F -54° to 49°C
	Indoor, general purpose labeling; labeling of most packaging material, excellent for cold temperature applications	Direct I.R. 4000™	White	Premium direct thermal label provides high contrast black images, scannable in both visible and infrared ranges	P	50°F 10°C	-40° to 170°F -40° to 76°C
	Power tool/equipment; electronic product labeling matching corporate colors for product labeling	Zebra Color Match™	Clear	Clear 2 mil thermal transfer printable polyester with color matched adhesive	P	50°F 10°C	-40° to 302°F -40° to 150°C
	Indoor warehouse bin/shelf/location labels for long range scanning	RetroScan 4000™	Silver	Enclosed lens retro-reflective film designed specifically for long-range scanning	P	10°F -12°C	-40° to 250°F -40° to 121°F
	Vending machines, utility meters, outdoor tools/equipment high performance acrylic adhesive offers 10-year outdoor durability	Z-Endure 3000 White™	White	2 mil thermal transfer printable acrylic label; special acrylic film and high-performance acrylic adhesive offers 10-year outdoor durability	P	50°F 10°C	-40° to 302°F -40° to 150°C
	Serial number plates; warranty/authenticity label; tamper evident security labels, capital asset labeling	Z-Ultimate® 4000 Checkerboard	Silver	2 mil, gloss, thermal transfer printable, tamper evident, polyester label; special tamper evident checkerboard adhesive system	P	50°F 10°C	-40° to 176°F -40° to 80°C
High heat applications such as PCB labeling, steel labeling and work-in-process	PolyTrans 4000 High Heat™	White	Matte coated polyester provides resistance to smearing, abrasion, high heat and environmental stresses	P	40°F 4°C	-20° to 392°F -29° to 200°C	
Steel	High heat applications such as steel product tags, water immersion, sterilization of instruments and heat treating	Z-Xtreme High Heat Tag 4040™	White	Matte coated polyester tagstock provides resistance to smearing, abrasion, high heat and environmental stresses	-	-	-40° to 302°F -40° to 150°C
	High heat applications such as steel product tags, water immersion, sterilization of instruments and heat treating	Z-Xtreme High Heat Tag 4070™	White	Matte coated polyester tagstock provides resistance to smearing, abrasion, high heat and environmental stresses	-	-	-40° to 302°F -40° to 150°C
	High heat applications such as steel product tags, water immersion, sterilization of instruments and heat treating	Z-Xtreme High Heat Tag 4100™	White	Matte coated polyester tagstock provides resistance to smearing, abrasion, high heat and environmental stresses	-	-	-40° to 302°F -40° to 150°C
Electronics	Circuit boards, disk drives, electronic components	Z-Ultimate® 3000 White ESD	White	2 mil thermal transfer polyester static dissipative label; high-temp, high ultimate peel adhesive for demanding applications	P	50°F 10°C	-40° to 302°F -40° to 150°C
	Printed circuit boards applications, harsh environments, high-temp environments	Z-Supreme 5000 GY™	Green/Yellow	Matte polyimide film; coated with high-performance, high-temp, permanent, acrylic-based adhesive	P	50°F 10°C	-40° to 360°F -40° to 182°C
	Printed circuit boards applications, harsh environments, high-temp environments	Z-Supreme 5000 White™	White	Matte polyimide film; coated with high-performance, high-temp, permanent, acrylic-based adhesive	P	50°F 10°C	-40° to 360°F -40° to 182°C
	Printed circuit boards applications, harsh environments, high-temp environments	Z-Supreme 5000 Gold™	Gold	Gloss, polyimide film; coated with high-performance, high-temp, permanent, acrylic-based adhesive	P	50°F 10°C	-40° to 360°F -40° to 182°C
	Top and bottom side PCB labeling to resist wave soldering, IR reflow and cleaning	Z-Supreme 6000 White™	White	Polyimide film provides excellent print quality and adhesion for extreme environments/temperatures	P	50°F 10°C	-40° to 360°F -40° to 182°C
	Circuit boards, disk drives, electronic components	Z-Supreme 6000 White ESD™	White	1.5 mil thermal transfer polyimide static dissipative label; high-temp, high ultimate peel adhesive for demanding applications	P	50°F 10°C	-40° to 392°F -40° to 200°C
Top and bottom side PCB labeling to resist wave soldering, IR reflow and cleaning	Z-Supreme 6000 Gold™	Gold	Polyimide film provides excellent print quality and adhesion for extreme environments/temperatures	P	50°F 10°C	-40° to 360°F -40° to 182°C	
RFID	Work-in-process labels/RFID; LOGMARS-HIBC labeling; warehouse tracking	Zebra Smart Label TI Transponder™	White	Bright white, ultra smooth, matte topcoated, high frequency 13.56 MHz read/write label with 256 bits of storage capacity for user data	P	40°F 4°C	-20° to 185°F -4° to 85°C
	Work-in-process labels/RFID; LOGMARS-HIBC labeling; warehouse tracking	Zebra Smart Label Philips Transponder™	White	Bright white, ultra smooth, matte topcoated, high frequency 13.56 MHz read/write label with 416 bits of storage capacity for user data	P	40°F 4°C	-20° to 185°F -4° to 85°C
	Wristbands for patient identification, sporting events, and amusement parks	Zebra Smart Wristbands™ IT Transponder™	White	Bright white, ultra smooth, polyester, direct thermal wristband, high frequency 13.56 MHz	N/A	40°F 4°C	-20° to 185°F -4° to 85°C

Surface to be labeled						Environment			Resistance			Ribbons							
Corrugate	Paper	Packaging films	Most plastics	Metals & glass	Rough surfaces	Curved surfaces	Moist surfaces	Outdoor, rain & sun	Outdoor, protected	Indoor	Moisture	Oil & grease	Alcohol	Abrasion	Material class, **	Standard applications	High durability	Desktop printers	
															B	5555	3200, 5095	3200, 5095	
															C	2100, 5319, 5095	5555, 3100, 3200, 5586	5319, 5586	
															C	5095	5095	5095	
															C	5095	5095	5095	
															C	—	—	—	
															B	5586	5095	5586	
															B	4100	4100, 5095, 5100	5095	
															B	—	—	—	
															B	5095	—	—	
															B	5095	—	—	
															C	5555, 3100, 3200, 5589	5095	5586	
															C	5319	—	5319	
															C	5095	5100, 4100	5095	
															C	5555	3200, 5095	3200, 5095	
															C	2100, 5319, 5049	5555, 3100, 3200, 5586	5319, 5095	
															D	—	—	—	
															C	5555, 3100, 3200	5586	5586	
															C	5555, 3100, 3200	5586	5586	
															C	3200, 3100, 5586	5095	5586	
															C	3200, 3100, 5586	5095	5586	
															B	2100, 5319, 5049	5555, 3100, 3200, 5586	5319, 5586	
															B	2100, 5319, 5049	5555, 3100, 3200, 5586	5319, 5586	
															C	2100, 5319, 5049	5586	5586	
															C	2100, 5319, 5049	5555, 3100, 3200, 5586	5319, 5586	
															C	—	—	—	
															C	—	—	—	
															D	5095	5100	5100	
															C	5095	5095	—	
															C	5095	5100	5100	
															D	5095	5100	5100	
															C	5555, 3100, 3200, 5586	4100, 5095	5586, 5095	
															C	5555, 3100, 3200, 5586	4100, 5095	5586, 5095	
															C	5555, 3100, 3200, 5586	4100, 5095	5586, 5095	
															C	5095	5100	5095	
															D	3200	3200	—	
															D	5100	5100	—	
															D	5100	5100	—	
															C	5100	5100	—	
															D	5100	5100	—	
															C	5100	5100	—	
															C	5100	5100	—	
															C	Zebra Smart Ribbon	—	—	
															C	Zebra Smart Ribbon	—	—	
															C	—	—	—	

Key

***Product names printed in green ink** are included in Zebra's Zip Ship program—a media stocking program offering the most popular sizes of these materials. Zip Ship products ship within one business day.

Performance characteristics

- Recommended
- Test in your application
- Not recommended

****Material classification/Lead time**

- A = Delivery in 6 working days for repeat orders; 8 working days for new orders (with existing die); 12 working days for new orders (requiring art work or die)
- B = Delivery in 10 working days for repeat orders; 10 working days for new orders (with existing die); 12 working days for new orders (requiring art work or die)
- C = As quoted by Zebra supplies specialist
- D = As quoted by Zebra supplies specialist—minimum order required

Note: Quantity of order may affect actual lead time. Material subject to change. Contact a Zebra supplies specialist for current classifications.



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