

Zebra® Supplies

SELECTOR GUIDE



Primary media

Applications	Name	Color	Material description	Adhesive type	Minimum application temp.	Service temp.	
Paper labels	Labeling of packaging materials including corrugate, plastic and metal: work-in-process labels	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-temperature applications; indoor applications	Direct 2000™	White	Highly sensitive 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; package 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)	-20° to 120° (F) -29° to 49° (C)
	Product identification; diskette labeling; corrugate labeling	Trans SemiGloss 3000™	White	Smooth, white semi-gloss paper with general-purpose, rubber-based adhesive	P	40° (F) 5° (C)	-65° to 200° (F) -54° to 93° (C)
	Packaging and compliance labeling; indoor labeling applications	Direct HighSpeed 3000™	White	Top-coated 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; packaging materials	Direct Remove 3000™	White	Bright white, removable, highly sensitive direct thermal label with removable acrylic adhesive	R	10° (F) -12° (C)	-20° to 120° (F) -29° to 49° (C)
	High-gloss retail and consumer goods package labels; color preprinted 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)
	Package labels; chemical, medical, food and drug labeling; labeling corrugate 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 temperature storage; recyclable shrink wrap applications	PolyO 2000™	White	Corona-treated polyolefin film with general-purpose acrylic adhesive	P	10° (F) -12° (C)	-40° to 176° (F) -40° 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; UL/CSA-accepted	P	50° (F) 10° (C)	-20° to 300° (F) -29° to 149° (C)
	UL/CSA-accepted labels; serial number and name plates	PolyTrans 3000 Silver™	Silver	Matte-coated polyester with permanent acrylic adhesive; UL/CSA-accepted	P	50° (F) 10° (C)	-20° to 300° (F) -29° to 149° (C)
	Printable clear overlables; product labeling on colored surfaces	PolyTrans 3000 Clear™	Clear	Matte-coated polyester with permanent acrylic adhesive; UL/CSA-accepted	P	50° (F) 10° (C)	-20° to 300° (F) -29° to 149° (C)
	Durable, removable shelf, bin, furniture or product labels	PolyTrans 3000 Removable™	White	Matte-coated polyester with a removable acrylic adhesive	R	50° (F) 10° (C)	-20° to 300° (F) -29° to 149° (C)
	Top-side 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 stresses; UL/CSA-accepted	P	50° (F) 10° (C)	-20° to 300° (F) -29° to 149° (C)
	Top-side 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 stresses; UL/CSA-accepted	P	50° (F) 10° (C)	-20° to 300° (F) -29° to 149° (C)
	Top-side PCB labeling, UL/CSA accepted labeling required superior environmental resistance and high initial tack	Z-Ultimate® Select 3000 White	White	Coated polyester provides resistance to smearing, abrasion, heat and envir. stresses with a high tack acrylic adhesive; UL/CSA-accp.	P	10° (F) -12° (C)	-40° to 356° (F) -40° to 180° (C)
	Top-side PCB labeling, UL/CSA accepted labeling required superior environmental resistance and high initial tack	Z-Ultimate® Select 3000 Silver	Silver	Coated polyester provides resistance to smearing, abrasion, heat and envir. stresses with a high tack acrylic adhesive; UL/CSA-accp.	P	10° (F) -12° (C)	-40° to 356° (F) -40° to 180° (C)
	Printable clear overlabel to withstand abrasion and environmental abuse; mirror-image labels	Z-Ultimate® 3000 Clear	Clear	Coated polyester provides unparalleled smear and scratch resistance with acrylic adhesive	P	50° (F) 10° (C)	-20° to 300° (F) -29° to 149° (C)
	Removable shelf or scan-pallet labels; labels in contact with moving parts or friction	Z-Ultimate® 3000 Removable	White	Coated polyester with removable acrylic adhesive	R	50° (F) 10° (C)	-20° to 250° (F) -29° to 121° (C)
	UL/CSA-accepted labeling requiring chemical and solvent resistance; electric motor labeling; medical device labeling; product identification	Z-Xtreme™ 3000 White	White	Matte-coated polyester provides resistance to 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 labeling requiring chemical and solvent resistance; product I.D. labeling; medical device labeling; electric motor labeling	Z-Xtreme™ 3000 Silver	Silver	Matte-coated polyester provides resistance to 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 labeling requiring chemical and solvent resistance; product I.D. labeling; medical device labeling; serial/rating plate labeling	Z-Xtreme™ 4000 White	White	Matte-coated polyester provides resistance to chemicals and solvents when matched with correct Zebra ribbon; acrylic adhesive	P	50° (F) 10° (C)	-40° to 300° (F) 40° to 149° (C)
	UL/CSA-accepted labeling requiring chemical and solvent resistance; serial/rating plate labeling; medical device labeling; electric motor labeling	Z-Xtreme™ 4000 Silver	Silver	Matte-coated polyester provides resistance to chemicals and solvents when matched with correct Zebra ribbon; acrylic 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 tag	-	-	-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; shop floor tracking tickets; retail hang tags; inventory control tags	Trans Tag 2070™	White	Ultra-smooth, coated 7 mil paper	-	-	-50° to 250° (F) -46° to 121° (C)
	General purpose ticketing; shop floor tracking tickets; retail hang tags; inventory control tags	Trans Tag 2090™	White	Smooth, coated 9 mil paper	-	-	-50° to 250° (F) -46° to 121° (C)
	General purpose ticketing; shop floor tracking tickets; retail hang tag	Direct Tag 2060™	White	Top-coated 6 mil paper	-	-	-50° to 120° (F) -46° to 49° (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)
	Nursery tags; lumber tags; outdoor storage tags	V-MAX® Tag 2070	White	Treated 7 mil polyolefin film with ultraviolet inhibitors that resist fading	-	-	-70° to 200° (F) -57° 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 and outdoor applications	-	-	-40° to 200° (F) -40° to 93° (C)
	Heavy duty steel and wire tags; outdoor storage tags	Valeron® Tag 3100	White	Coated 9.5 mil cross-laminate polyethylene tag provides excellent strength and tear resistance	-	-	-70° to 200° (F) -57° 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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Surface to be labeled							Environment			Resistance				Ribbons				
Corrugate	Paper	Packaging films	Mossy plastics	Metals & glass	Rough surfaces	Curved surfaces	Moist surfaces	Outdoor: rain & sun	Outdoor: protected	Indoor	Moisture	Oil and grease	Alcohol	Abrasion	Material class	Standard applications	High durability	Personal printer use
Green	Green	Green	Green	Green	Green	Green	Green	Red	Green	Green	Yellow	Yellow	Yellow	Yellow	A	2100, 5319, 5049	5555, 3100, 3200, 5586	5319, 5586
Green	Green	Green	Green	Green	Green	Green	Green	Red	Green	Green	Yellow	Yellow	Yellow	Yellow	A	-	-	-
Green	Green	Green	Green	Green	Green	Green	Green	Red	Green	Green	Yellow	Yellow	Yellow	Yellow	A	2100, 5319, 5049	5555, 3100, 3200, 5586	5319, 5586
Green	Yellow	Yellow	Green	Red	Red	Yellow	Green	Red	Green	Green	Yellow	Yellow	Yellow	Yellow	B	2100, 5319, 5049	5555, 3100, 3200, 5586	5319, 5586
Green	Green	Green	Green	Green	Green	Green	Green	Red	Green	Green	Yellow	Yellow	Yellow	Yellow	C	2100, 5319, 5049	5555, 3100, 3200, 5586	5319, 5586
Green	Green	Green	Green	Green	Green	Green	Green	Red	Green	Green	Yellow	Yellow	Yellow	Yellow	A	-	-	-
Green	Yellow	Yellow	Green	Red	Red	Yellow	Green	Red	Green	Green	Yellow	Yellow	Yellow	Yellow	B	-	-	-
Green	Green	Green	Green	Green	Green	Green	Green	Red	Green	Green	Yellow	Yellow	Yellow	Yellow	B	3100, 3200, 5586	5095	5586
Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Yellow	Yellow	Yellow	B	5555, 3100, 3200, 5586	5095, 5100	5586, 5095
Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Yellow	Yellow	Yellow	B	5555, 3100, 3200, 5586	5095	5586
Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Yellow	Yellow	Yellow	B	5555, 3100, 3200, 5586	5095, 5100	5586, 5095
Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Yellow	Yellow	Yellow	C	-	-	-
Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Yellow	Yellow	Yellow	B	5555, 3100, 3200	5586	5586
Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Yellow	Yellow	Yellow	B	5555, 3100, 3200	5586	5586
Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Yellow	Yellow	Yellow	C	5555, 3100, 3200	5586	5586
Green	Yellow	Yellow	Green	Red	Red	Yellow	Green	Green	Green	Green	Yellow	Yellow	Yellow	Yellow	C	5555, 3100, 3200	5586	5586
Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Yellow	Yellow	Yellow	A	5095	5100, 4100	5095
Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Yellow	Yellow	Yellow	C	5095	5100, 4100	5095
Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Yellow	Yellow	Yellow	C	5095	5100, 4100	5095
Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Yellow	Yellow	Yellow	C	5095	5100, 4100	5095
Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Yellow	Yellow	Yellow	C	5095	5100, 4100	5095
Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Yellow	Yellow	Yellow	C	5095	5586, 5095	5095
Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Yellow	Yellow	Yellow	C	5319, 5049, 5555, 3100, 3200	5586, 5095	5586
Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Yellow	Yellow	Yellow	C	5319, 5049, 5555, 3100, 3200	5586, 5095	5586
Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Yellow	Yellow	Yellow	C	5319, 5049, 5555, 3100, 3200	5586, 5095	5586
Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Yellow	Yellow	Yellow	C	5319, 5049, 5555, 3100, 3200	-	5586
Green	Green	Green	Green	Green	Green	Green	Green	Red	Green	Green	Yellow	Yellow	Yellow	Yellow	B	5319, 5049	-	5319
Green	Green	Green	Green	Green	Green	Green	Green	Red	Green	Green	Yellow	Yellow	Yellow	Yellow	C	5319, 5049	-	5319
Green	Green	Green	Green	Green	Green	Green	Green	Red	Green	Green	Yellow	Yellow	Yellow	Yellow	C	2100, 5319, 5049	5555, 3100, 3200, 5586	5319, 5586
Green	Green	Green	Green	Green	Green	Green	Green	Red	Green	Green	Yellow	Yellow	Yellow	Yellow	B	2100, 5319, 5049	5555, 3100, 3200, 5586	5319, 5586
Green	Green	Green	Green	Green	Green	Green	Green	Red	Green	Green	Yellow	Yellow	Yellow	Yellow	C	2100, 5319, 5049	5555, 3100, 3200, 5586	5319, 5586
Green	Green	Green	Green	Green	Green	Green	Green	Red	Green	Green	Yellow	Yellow	Yellow	Yellow	B	-	-	-
Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Yellow	Yellow	Yellow	C	5319	-	5319
Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Yellow	Yellow	Yellow	C	5555, 3100, 3200	5586	5586
Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Yellow	Yellow	Yellow	C	5555, 3100, 3200	5586	5586
Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Yellow	Yellow	Yellow	C	5555, 3100, 3200	5586	5586
Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Yellow	Yellow	Yellow	C	5095	5100, 4100	5095

Key

Product names printed in green or purple 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 24 hours. Refer to the Zip Ship program for available sizes and prices.

Green ink

Stocked in 8" O.D. only.

(XTM Series, STM Series and Stripe[®] printers)

Purple ink

Stocked in 4" and 8" O.D.

(XTM Series, STM Series, ATM Series, TTM Series and Stripe[®] printers)

Adhesive types

P = Permanent

R = Removable

Performance characteristics

Green Recommended

Yellow Test in your application

Red 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 representative for current classifications.

Specialty media

Target markets	Suggested applications	Name	Color	Material description	Adhesive type	Minimum application temp.	Service temp.	Material class	Standard applications	High durability	Personal printer	
Healthcare	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)	C	2100, 5319, 5049	5555, 3100, 3200, 5586	5319, 5586	
	Labeling of test tubes, vials, slides, specimen containers	Direct Lab 3000™	White	Top-coated thermal paper with special glove-compatible adhesive	P	32° (F) 0° (C)	-22° to 120° (F) -30° to 49° (C)	C	-	-	-	
	Labeling of blood bags; chemical, medical, food and drug labeling	Blood Bag 3000™	White	Top-coated polypropylene with permanent adhesive	P	45° (F) 7° (C)	-40° to 250° (F) -40° to 121° (C)	B	5586	5095	5586	
	Labeling of test tubes, vials, slides, specimen containers	Direct Lab IR 4000™	White	Top-coated 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)	B	-	-	-	
	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)	B	5095	-	-	
Retail	Shelf, bin, furniture or product labeling	PolyPro 2000 Removable™	White	Matte-coated polypropylene with removable adhesive	P	45° (F) 7° (C)	-40° to 200° (F) -40° to 93° (C)	C	5555, 3100, 3200, 5586	5095	5586	
	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)	C	5095	5100 4100	5095	
Industrial	Labeling of corrugate and recycled corrugate; 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)	-	2100, 5319, 5049	5555, 3100, 3200, 5586	5319, 5586	
	Shipping applications; indoor, general purpose labeling; labeling of most packaging materials	Direct Near IR 3000™	White	Top-coated thermal paper; scannable in visible- and near-IR wavelengths; meets near-IR scanning requirements of package delivery industry	P	32° (F) 0° (C)	-22° to 120° (F) -30° to 49° (C)	D	-	-	-	
	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)	C	5555, 3100, 3200	5586	5586	
	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)	C	5555, 3100, 3200	5586	5586	
	Serialized data and warranty labels; applications requiring destructible bar codes	Z-Destruct 3000™	White	Destructible 2 mil vinyl facestock with permanent rubber-based adhesive	P	50° (F) 10° (C)	-20° to 176° (F) -29° to 80° (C)	C	3200, 3100, 5586	5095	5586	
	Serialized data and warranty labels; applications requiring destructible bar codes	Z-Xtreme Destruct 3000™	White	Destructible 6 mil matte topcoated, co-extruded, polystyrene film with permanent, acrylic-based adhesive	P	32° (F) 0° (C)	-4° to 302° (F) -20° to 80° (C)	C	3200, 3100, 5586	5095	5586	
	Removable shelf or scan pallet labels; removable document labels	Trans Ultra Remove 3000™	White	Coated paper with ultra removable adhesive	R	20° (F) -7° (C)	-40° to 160° (F) -40° to 71° (C)	B	2100, 5319, 5049	5555, 3100, 3200, 5586	5319, 5586	
	Applications requiring a "cover-up" label; product ID; chemical containers	Trans Opaque 3000™	White	Matte finish, thermal transfer paper with opaque adhesive	P	-20° (F) -29° (C)	-65° to 200° (F) -54° to 93° (C)	B	2100, 5319, 5049	5555, 3100, 3200, 5586	5319, 5586	
	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)	C	5555, 3100, 3200	5586	5586	
	Labeling of packaging materials; order picking; work-in-process	Trans Matte 3000 Piggyback™	White	Paper piggyback 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)	C	2100, 5319, 5049	5555, 3100, 3200, 5586	5319, 5586	
Steel	Labeling of packaging materials; order picking; work-in-process	Direct 3000 Piggyback™	White	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)	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° (C)	C	5095	-	-	
	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)	C	5555, 3100, 3200, 5586	4100, 5095	5586, 5095	
	High heat apps. 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)	C	5555, 3100, 3200, 5586	4100, 5095	5586, 5095	
	High heat apps. 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)	C	5555, 3100, 3200, 5586	4100, 5095	5586, 5095	
	High heat apps. 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)		5555, 3100, 3200, 5586	4100, 5095	5586, 5095	
	Electronics	Top and bottom side PCB labeling to resist wave soldering, IR reflow and cleaning	Z-Supreme 6000 White™	White	Polymide film provides excellent print quality and adhesion for extreme environments/temperatures	P	50° (F) 10° (C)	-40° to 360° (F) -40° to 182° (C)	B	5095	5100 4100	5095
		Top and bottom side PCB labeling to resist wave soldering, IR reflow and cleaning	Z-Supreme 6000 Gold™	Gold	Polymide film provides excellent print quality and adhesion for extreme environments/temperatures	P	50° (F) 10° (C)	-40° to 360° (F) -40° to 182° (C)	B	5095	5100 4100	5095

Primary media positioning chart

Pressure-sensitive labels				Tags			
Level	Paper	Synthetic		Paper	Synthetic		
I		PolyO 1000™		Trans Tag 1070™ Trans Tag 1100™	Tyvek® 1080		
II	Trans Matte 2000™ Direct 2000™	PolyPro 2000™ PolyO 2000™ PolyPro Direct 2000™		Trans Tag 2030™ Trans Tag 2070™ Trans Tag 2090™ Direct Tag 2060™	V-MAX® Tag 2070		
III	Trans Matte 3000™ Trans Remove 3000™ Trans SemiGloss 3000™ Direct Remove 3000™ Direct HighSpeed 3000™	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		
IV	Trans HighGloss 4000™	Z-Xtreme™ 3000 White Z-Xtreme™ 3000 Silver	Z-Xtreme™ 4000 White Z-Xtreme™ 4000 Silver		Z-Ultimate® Tag 4100		

Introduction

This Zebra Supplies Selector Guide is designed to help you choose the correct media and ribbon combination for your application. Before using this guide, we suggest you answer the following questions to ensure you fully understand the requirements of the application.

- 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 the first inside panel to determine one or more possible solutions for the application. The “specialty media chart” on panel three highlights media designated for specific applications within particular industries.

The number included in the product name (i.e., Trans Matte **2000™**) is a subtle indication of price and performance within “media type.” For example, the higher numbers in the “paper media” category indicate a higher level of performance and a higher cost. The same is true within the “synthetic media” category. This is not applicable between categories (i.e., paper and synthetic) since each media type is vastly different in terms of function and application. For a visual representation of the positioning of our primary media, refer to the “primary media positioning chart” on panel three.

Once you choose your media, see the far right column of the appropriate chart for the recommended ribbon type. (If you require a UL-recognized or CSA-accepted labeling solution, reference the chart to the right on this page.)

If, after referencing the guide, you’re still unsure of the proper media/ribbon combinations, call your Zebra supplies specialist at (847) 634-6700 or (800) 423-0422. They’re ready to assist you!

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 Sales Representative to determine which printer models can be used with these UL and CSA label/ribbon combinations.

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

Ribbon* chart

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

Comparison of thermal transfer ribbons

Ribbon	Material compatibility	Darkness setting				Speed				Scratch/Smear resistance				Chemical resistance			
		Low	High	Low	High	Low	High	Low	High	Low	High	Low	High				
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.



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