



Zebra® Supplies Selector Guide

Media and Ribbons Optimized for Zebra Printers

Why choose Genuine Zebra Supplies?

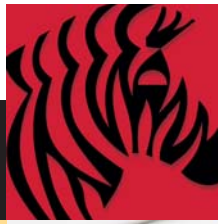
There are thousands of different types of thermal media available, but Zebra's labels, tags, wristbands, and ribbons are specifically engineered to optimize performance with Zebra printers. Like Zebra printers, Genuine Zebra Supplies are made to a higher standard to deliver consistent quality and performance.

- We make Genuine Zebra Supplies exclusively for Zebra printers.
- All materials are tested and approved by Zebra's Supplies research and development staff to provide optimal performance in Zebra printers.
- We offer a wide range of materials to support the many applications of Zebra printers.
- Our ZipShipSM program offers you immediate shipment on a large selection of stock labels, tags, wristbands, and ribbons, for Zebra tabletop, desktop, and mobile printers.
- With Genuine Zebra Supplies, you'll minimize wear and tear on your printhead, reducing maintenance costs.
- Our Quality Management System, which is registered to the internationally recognized ISO 9001:2000 standard, ensures you'll always receive consistent, quality products.
- Have a new or unique application? We'll find the best solution through our dedicated R&D capabilities.

With more than 1,000 combinations of high-quality and reliable labels, tags, wristbands, and ribbons, Zebra has a media solution for virtually any application. Whether you're facing shipping, electronic component manufacturing, prescription labeling, or even electronic citation applications, Zebra and our certified partners can provide an in-stock or custom-made solution for you.



Zebra Supplies Selector Guide



ORDERING OPTIONS AND PROGRAMS

Zebra offers a variety of options and programs that make it easy to order Zebra Supplies.

▶ ZipShip Program

- The most popular labels, tags, wristbands, and ribbons, in stock and ready for immediate shipment

▶ Custom Orders

- Contact the Zebra Supplies team for custom quotations at +1 866 230 9495
- Over 8,000 dies available
- Full-service printing and die-cutting capabilities

▶ Blanket Orders

- Discounted pricing
- Predetermined ship dates

▶ Min/Max Agreements

- Warehousing/distribution service
- Immediate shipments for custom products

▶ Proto X-Press

- Try before you buy
- Custom label and tag prototypes

▶ Zebra Complete™ Supplies Bundling Programs

- Free Zebra printheads
- Mobile printer service, printheads, and supplies



How to choose your Zebra media and ribbon.

How do you decide on the best media and ribbon for your application? Start by answering a few basic questions.

1. What kind of Zebra printer do you have: tabletop, desktop, or mobile?
Not every material will work in all Zebra printers.
2. Do you require a label, tag, or wristband?
3. Is chemical resistance a requirement?
Water and various chemicals can damage certain types of media and the image printed on the label, tag, or wristband.
4. In what environment will you use the label, tag, or wristband?
 - Will it be used indoors or outdoors?
 - To what temperature range will the label, tag, or wristband be exposed?

5. What is the surface to which the label will be applied? And what is the condition of the surface; e.g., clean, dirty, curved, flat?
Zebra offers different types of adhesives to work on many different surfaces: corrugated, paper, plastic, metal, glass, wood, and more.
6. What label, tag, or wristband color and finish do you need?
 - a. White, silver, or clear? (The most common colors.)
 - b. A gloss or matte finish?
 - c. Do you require preprinted information?
7. Will the label, tag, or wristband need to meet UL/CSA specifications?

Supplies Industry Application Table

| APPLICATION | RECOMMENDED MEDIA | ALTERNATE MEDIA | SPECIALTY/OTHER |
|---|---------------------------------|---------------------------------|---------------------------------|
| Common Applications Across Multiple Industries | | | |
| Shipping/Receiving | Z-Perform 2000T | 8000D Near IR | 8000T High-Tack |
| Location/Bin Labeling | Z-Ultimate 2000T | PolyPro 4000T | 8000T Retroscan |
| Document Tracking | Z-Select 4000D | Z-Perform 2000D | Z-Select 4000D Removable |
| Asset Tracking | Z-Ultimate 4000T | PolyPro 3000T High Tack | 8000T Checkerboard Gloss |
| Healthcare | | | |
| Admitting & Patient ID | Z-Band Direct | Z-Band QuickClip | Z-Band 4000 Void |
| Laboratory & Radiology | Z-Xtreme 4000T | 8000T Low-Temp Gloss | 8000T Image Lock |
| Pharmacy | Z-Select 4000D | Z-Perform 2000D | PolyPro 4000T |
| Specimen Collection | Z-Select 4000D | PolyPro 4000D | 8000T CryoCool |
| Manufacturing | | | |
| Top-side PCB Labeling | Z-Ultimate 4000T | Z-Ultimate 2000T | 8000T ESD Gloss |
| Bottom-side PCB Labeling | Z-Supreme 4000T | Z-Supreme 3000T | N/A |
| Product Identification | Z-Ultimate 4000T | 8000T Image Lock | 8000T Void Gloss |
| Work in Process | Z-Select 4000T 9.0 mil Tag | PolyPro 4000T 8.5 mil Tag | 8000T Ultra-Tuff 9.5 mil Tag |
| Retail | | | |
| Shelf Labeling | Z-Select 4000D Removable | PolyPro 4000D | Z-Perform 1000D |
| Inventory Management | Z-Perform 2000D | Z-Perform 1000D | Z-Perform 1000D 2.4 mil Receipt |
| Customer Management | Z-Perform 1000D 3.5 mil Receipt | Z-Perform 1000D 2.4 mil Receipt | Z-Perform 1000D |
| Horticulture/Nursery | 8000T Tuff 7.5 mil Tag | PolyPro 3000T | PolyPro 4000T 8.5 mil Tag |
| Direct Store Delivery | | | |
| Delivery/Route Sales | 8000D High-Temp 3.2 mil Receipt | Z-Select 4000D 3.2 mil Receipt | Z-Perform 1000D 2.4 mil Receipt |
| Inventory Management | Z-Perform 1000D | Z-Select 4000D 3.2 mil Receipt | Z-Perform 1000D 2.4 mil Receipt |
| Public Safety | | | |
| E-Citations | Z-Select 4000D 3.2 mil Receipt | PolyPro 4000D 3.8 mil Receipt | 8000D High-Temp 3.2 mil Receipt |
| Evidence & Property Management | Z-Select 4000T | Z-Select 4000D | PolyPro 4000D |

Adhesives

| ADHESIVE | DESCRIPTION |
|-------------------|--|
| Acrylic | General-purpose; provides long-term adhesion; resistance to chemicals and UV exposure; works across a wide temperature range |
| Rubber | General-purpose; provides good initial tack; offers adhesion to rough surfaces; not recommended for auto apply |
| High-Performance | Offers higher resistance to chemicals and UV exposure; often has agency approval such as indirect food contact (FDA 175.105), UL/CSA approval |
| High-Temp | Maintains strong adhesion at high temperatures (over 300° F) |
| Cold-Temp | Maintains strong adhesion at low temperatures (down to -112° F) |
| All-Temp | May be applied to temperatures below freezing (32° F) |
| Removable | Clean removal from most surfaces without damaging the label or the surface |
| Ultra-Removable | Clean removal from nearly all surfaces, including metal and glass, without damaging the label or the surface |
| Multi-Removable | Offers dual functionality; provides permanent long-term adhesion but also allows for clean removal; repositionable to allow for removal, adjustment, and reapplication |
| High-Tack Acrylic | Works well on hard-to-label surfaces and provides good resistance to chemicals and UV exposure |
| High-Tack Rubber | Works very well on hard-to-label surfaces; provides good initial tack |

*All adhesives above are permanent unless stated otherwise.

UL-Recognized and CSA-Accepted Labeling Systems

| | Material | Ribbon | Recognition |
|--|-----------|--|---------------------------------------|
| Z-Ultimate 4000T White | Polyester | 5095, 5100 | UL indoor/outdoor; CSA indoor/outdoor |
| Z-Ultimate 4000T Silver | Polyester | 5095, 5100 | UL indoor/outdoor; CSA indoor/outdoor |
| Z-Ultimate 4000T Removable | Polyester | 5095, 5100 | UL indoor |
| Z-Ultimate 4000T High-Tack | Polyester | 4100, 5095, 5100 | UL indoor/outdoor; CSA indoor/outdoor |
| Z-Ultimate 3000T White | Polyester | 4100, 5095, 5100 | UL indoor/outdoor; CSA indoor/outdoor |
| Z-Ultimate 3000T Silver | Polyester | 4100, 5095, 5100 | UL indoor/outdoor; CSA indoor/outdoor |
| Z-Ultimate 2000T White | Polyester | 4100, 5095, 5100 | UL indoor/outdoor |
| Z-Xtreme 4000T White | Polyester | 5319, 5049, 5555, 3200, 5586, 5095, 5100 | UL indoor/outdoor; CSA indoor/outdoor |
| Z-Xtreme 4000T Silver | Polyester | 5319, 5049, 5555, 3200, 5586, 5095, 5100 | UL indoor/outdoor; CSA indoor/outdoor |
| Z-Xtreme 4000T High-Tack White | Polyester | 5319, 5049, 5555, 3200, 5586, 5095, 5100 | UL indoor/outdoor; CSA indoor/outdoor |
| Z-Xtreme 4000T High-Tack Silver | Polyester | 5319, 5049, 5555, 3200, 5586, 5095, 5100 | UL indoor/outdoor; CSA indoor/outdoor |
| Z-Xtreme 2000T White | Polyester | 5555, 3200, 5586, 5095 | UL indoor |
| Z-Xtreme 2000T Silver | Polyester | 5555, 3200, 5586, 5095 | UL indoor |
| Z-Xtreme 2000T Clear | Polyester | 5555, 3200, 5586, 5095 | UL indoor |
| 8000T Void Matte | Polyester | 5555, 5586, 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.

| Product Name | Thermal Transfer (TT) Direct Thermal (DT) | Product Description | Applications |
|--|--|---|---|
| PAPER MEDIA | | | |
| Z-Select™ Premium, bright white, ultra-smooth paper facestock specially coated to provide optimal image quality. Ideal for high-speed printing applications where print quality is important. Recommended for indoor use. | | | |
| 4000T | TT | Paper label with a permanent acrylic adhesive that may be used across a wide temperature range; meets FDA 175.105 indirect food contact requirements | Labeling of packaging material including corrugate, plastic, and metal; product identification, compliance labeling, work in process |
| 4000T All-Temp | TT | Paper label with a permanent all-temp acrylic adhesive that allows the label to be applied to surfaces as cold as -20° F | Labeling of packaging material including corrugate, plastic, and metal; ideal for identifying products in cold storage or refrigerated warehouses |
| 4000T Removable | TT | Paper label with a removable acrylic adhesive for applications requiring clean removability without damaging the label or the surface; meets FDA 175.105 indirect food contact requirements | Product identification; labeling of shelves, bins, or totes intended for reuse when labels are removed |
| 4000D | DT | Paper label with a permanent all-temp acrylic adhesive that allows the label to be applied to surfaces as cold as -20° F; meets FDA 175.105 indirect food contact requirements | Labeling of most packaging materials; document tracking; cold-temp applications; IV bag labeling |
| 4000D Removable | DT | Paper label with a removable acrylic adhesive for applications requiring clean removability without damaging the label or the surface; meets FDA 175.105 indirect food contact requirements | General-purpose product and food labeling; removable shelf labeling |
| 4000T Receipt | TT | Receipt paper available in 3.0 mil thickness | Staple-on tickets; plastic bag inserts; packing lists |
| 4000T Tag | TT | Paper tag available in 5.0, 7.0, and 9.0 mil thickness | General-purpose ticketing; retail hang tags; inventory control and shop floor tracking tickets |
| 4000D Receipt | DT | Receipt paper available in 3.2 mil thickness | Retail receipts, car rental receipts, general-purpose ticketing |
| 4000D Tag | DT | Paper tag available in 5.3 and 7.5 mil thickness | General-purpose ticketing; shop floor tracking tickets; retail hang tag |
| Z-Perform™ Bright white, smooth paper facestock that provides the optimal balance between performance and price for industrial applications. Recommended for indoor use. | | | |
| 2000T | TT | Paper label with a permanent acrylic adhesive; meets FDA 175.105 indirect food contact requirements | Labeling of packaging material including corrugate, plastic, and metal; work in process |
| 2000D | DT | Paper label with an all-temp acrylic adhesive | Packaging and compliance labeling; indoor labeling applications |
| 1000D | DT | Paper label with a permanent acrylic adhesive; limited resistance to moisture or abrasion; not recommended for high print speed applications | Indoor, general-purpose labeling; warehouse, distribution, bakery application, and address labeling |
| 1000T Tag | TT | Uncoated paper tag available in 7.5 and 9.5 mil thickness | General-purpose ticketing; retail hang tags; inventory and shop floor tracking tickets |
| 1000D Tag | DT | Uncoated paper tag available in 5.5 mil thickness | General-purpose ticketing; retail hang tags; inventory and shop floor tracking tickets |
| 1000D Receipt | DT | Uncoated receipt paper available in 2.4 and 3.5 mil thickness | General-purpose paper receipt for retail and industrial use |
| Specialty White paper labels and tags designed for unique or challenging applications. Recommended for indoor use. | | | |
| 8000T High-Tack | TT | Paper label with a permanent rubber adhesive that provides high initial tack; meets FDA 175.105 indirect food contact requirements | Labeling of corrugate and recycled corrugate; shipping labels |
| 8000T Super-Tack | TT | Paper label with a Hammerlock® permanent rubber adhesive that provides best initial and long-term adhesion | Difficult surfaces such as wood and textured substrates |
| 8000T Ultra-Removable | TT | Paper label with an ultra-removable acrylic adhesive that provides long-term clean removability | Removable shelf or scan pallet labels; removable document labels |
| 8000T Multi-Removable | TT | Paper label with a multi-removable adhesive that offers dual functionality; provides permanent adhesion to corrugate surfaces but also allows clean removal from glass surfaces; repositionable | Labeling cartons, totes, and bins; promotional and shelf labels; allows frequent application and removal of label |
| 8000T Opaque | TT | Opaque paper label with a permanent acrylic adhesive; meets FDA 175.105 indirect food contact requirements | Applications requiring a “cover-up” label; product ID; chemical containers |
| 8000T Piggyback | TT | Piggyback paper label with a permanent acrylic adhesive that allows for removing the label, leaving the liner, and re-applying the second liner to a final application | Labeling of packaging materials; order picking; work in process |
| 8000T Repulpable | TT | Repulpable paper label with a permanent acrylic adhesive | Paper mill labeling where paper wrap (label included) is thrown back into the paper-making process and repulped |

| Min. Application Temperature | Service Temperature | Surfaces to be Labeled | | | | | | | Environment | | Resistance | | | | | Suggested Ribbons | | | |
|--|-------------------------------------|------------------------|--------|-----------------|---------------|---------------|----------------|-----------------|----------------|---------|------------|----------|----------|-----------------|---------------------|-------------------|------------------------|------------------------|-----------------|
| | | Corrugate | Paper | Packaging Films | Most Plastics | Metal & Glass | Rough Surfaces | Curved Surfaces | Moist Surfaces | Indoors | Outdoors | Moisture | Abrasion | Chemical – Weak | Chemical – Moderate | Chemical – Harsh | Chemical – Extreme | Standard Application | High-Durability |
| PERFORMANCE CHARACTERISTICS | | | | | | | | | | | | | | | | | | | |
| ■ Recommended ■ Test In Your Application ■ Not Recommended | | | | | | | | | | | | | | | | | | | |
| 25° F -4° C | -65° F to 200° F -54° C to 93° C | Green | Green | Green | Green | Green | Yellow | Green | Yellow | Green | Red | Yellow | Yellow | Yellow | Red | Red | Red | 2000, 2100, 5049, 5319 | 5555, 3200 |
| -20° F -29° C | -65° F to 200° F -54° C to 93° C | Green | Green | Green | Green | Green | Yellow | Green | Yellow | Green | Red | Yellow | Yellow | Yellow | Red | Red | Red | 2000, 2100, 5049, 5319 | 5555, 3200 |
| 40° F 4° C | -65° F to 180° F -54° C to 82° C | Green | Yellow | Yellow | Yellow | Green | Red | Red | Red | Green | Red | Yellow | Yellow | Yellow | Red | Red | Red | 2000, 2100, 5319 | 5555, 3200 |
| -20° F -29° C | -65° F to 140° F -54° C to 60° C | Green | Green | Yellow | Yellow | Green | Yellow | Green | Yellow | Green | Red | Yellow | Yellow | Yellow | Red | Red | Red | N/A | N/A |
| 40° F 4° C | -65° F to 140° F -54° C to 60° C | Green | Yellow | Yellow | Yellow | Green | Red | Red | Red | Green | Red | Yellow | Yellow | Yellow | Red | Red | Red | N/A | N/A |
| N/A | -40° F to 200° F -40° C to 93° C | | | | | | | | | Green | Red | Yellow | Yellow | Yellow | Red | Red | 2000, 2100, 5049, 5319 | 5555, 3200 | |
| N/A | -40° F to 200° F -40° C to 93° C | | | | | | | | | Green | Red | Yellow | Yellow | Yellow | Red | Red | 2000, 2100, 5049, 5319 | 5555, 3200 | |
| N/A | -40° F to 140° F -40° C to 60° C | | | | | | | | | Green | Red | Yellow | Yellow | Yellow | Red | Red | N/A | N/A | |
| N/A | -40° F to 140° F -40° C to 60° C | | | | | | | | | Green | Red | Yellow | Yellow | Yellow | Red | Red | N/A | N/A | |
| | | | | | | | | | | | | | | | | | | | |
| 25° F -4° C | -40° F to 200° F -40° C to 93° C | Green | Green | Green | Green | Green | Yellow | Green | Yellow | Green | Red | Yellow | Yellow | Yellow | Red | Red | Red | 2000, 5319 | 5555, 3200 |
| -40° F -40° C | -65° F to 200° F -54° C to 93° C | Green | Green | Yellow | Yellow | Green | Yellow | Green | Yellow | Green | Red | Yellow | Yellow | Yellow | Red | Red | Red | N/A | N/A |
| 25° F -4° C | -40° F to 140° F -40° C to 60° C | Green | Green | Yellow | Yellow | Green | Yellow | Green | Yellow | Green | Red | Yellow | Yellow | Yellow | Red | Red | Red | N/A | N/A |
| N/A | -50° F to 200° F -46° C to 93° C | | | | | | | | | Green | Red | Yellow | Yellow | Yellow | Red | Red | 2000, 5319 | N/A | |
| N/A | -40° F to 140° F -40° C to 60° C | | | | | | | | | Green | Red | Yellow | Yellow | Yellow | Red | Red | N/A | N/A | |
| N/A | -40° F to 140° F -40° C to 60° C | | | | | | | | | Green | Red | Yellow | Yellow | Yellow | Red | Red | N/A | N/A | |
| | | | | | | | | | | | | | | | | | | | |
| 40° F 4° C | -65° F to 160° F -54° C to 71° C | Green | Green | Green | Yellow | Green | Yellow | Green | Yellow | Green | Red | Yellow | Yellow | Yellow | Red | Red | Red | 2000, 5319 | 5555, 3200 |
| 30° F -1° C | -65° F to 150° F -54° C to 66° C | Green | Green | Green | Yellow | Green | Yellow | Green | Yellow | Green | Red | Yellow | Yellow | Yellow | Red | Red | Red | 2000, 5319 | 5555, 3200 |
| 20° F -7° C | -40° F to 160° F -40° C to 71° C | Green | Green | Green | Green | Green | Red | Red | Red | Green | Red | Yellow | Yellow | Yellow | Red | Red | Red | 2000, 5319 | 5555, 3200 |
| 25° F -4° C | -20° F to 200° F -29° C to 93° C | Green | Green | Green | Green | Green | Red | Yellow | Yellow | Green | Red | Yellow | Yellow | Yellow | Red | Red | Red | 2000, 5319 | N/A |
| -20° F -29° C | -65° F to 200° F -54° C to 93° C | Green | Green | Green | Green | Green | Yellow | Green | Yellow | Green | Red | Yellow | Yellow | Yellow | Red | Red | Red | 2000, 5319 | 5555, 3200 |
| 25° F 4° C | -65° F to 200° F -54° C to 93° C | Green | Green | Green | Green | Green | Yellow | Green | Yellow | Green | Red | Yellow | Yellow | Yellow | Red | Red | Red | 2000, 5319 | 5555, 3200 |
| 40° F 4° C | -20° F to 200° F -29° C to 93° C | Green | Green | Green | Green | Green | Yellow | Green | Yellow | Green | Red | Yellow | Yellow | Yellow | Red | Red | Red | 2000, 5319 | 3200 |

Performance characteristics are based on combination with high-durability ribbon.

| | <i>Product Name</i> | <i>Thermal Transfer (TT) Direct Thermal (DT)</i> | <i>Product Description</i> | <i>Applications</i> |
|------------------------|--|--|---|--|
| PAPER MEDIA | Specialty <i>Continued</i> White paper labels and tags designed for unique or challenging applications. Recommended for indoor use. | | | |
| | 8000T Semi-Gloss | TT | Semi-gloss paper label with a permanent rubber adhesive; meets FDA 175.105 indirect food contact requirements | Product identification; diskette labeling; high-volume applications |
| | 8000T High-Gloss | TT | High-gloss paper label with permanent acrylic adhesive | High-gloss retail and consumer goods package labels; color preprinted labels |
| | 8000D Near IR | DT | Paper label with a permanent acrylic adhesive; scannable in both visible and near infrared wavelength; meets FDA 175.105 indirect food contact requirements | Shipping applications; indoor, general-purpose labeling; meets requirements of package delivery industry |
| | 8000D IR | DT | Paper label with an all-temp permanent acrylic adhesive; scannable in visible, near infrared, and infrared ranges; meets FDA 175.105 indirect food contact requirements | Indoor, general-purpose labeling; labeling of most packaging material; excellent for cold-temperature applications |
| | 8000D High-Temp | DT | Paper label with a high-performance permanent acrylic adhesive that provides temperature resistance up to 194° F; offers superior durability under fluorescent bulbs and partial UV exposure (through a window) | Hot food labeling such as pizza, coffee; direct store delivery; archival use |
| | 8000D Linerless | DT | Linerless paper label with a permanent acrylic adhesive; eliminates liner waste | Indoor, general-purpose labeling; labeling of most packaging material; excellent for cold-temp applications |
| | 8000D Linerless Removable | DT | Linerless paper label with a removable acrylic adhesive; eliminates liner waste | Indoor, removable general-purpose labeling; labeling of most packaging material; excellent for cold-temp applications |
| | 8000D High-Temp Receipt | DT | Receipt paper that provides temperature resistance up to 194° F; offers superior durability under fluorescent bulbs and partial UV exposure (through a window); available in 3.2 mil thickness | Hot foods such as pizza, coffee; windshield receipts; direct store delivery; archival use |
| SYNTHETIC MEDIA | Z-Supreme™ White, polyimide facestock designed for high-temperature environments up to 500° F. Recommended for PCB labeling. | | | |
| | 4000T | TT | Gloss polyimide label with a high-temp permanent acrylic adhesive that provides resistance to harsh environments; also available in yellow, blue, and green | Printed circuit board top- and bottom-side applications including lead-free manufacturing processes; harsh environments; high-temp industrial applications |
| | 3000T | TT | Matte polyimide label with a high-temp permanent acrylic adhesive that provides resistance to harsh environments; not recommended for processes using lead-free solder | Printed circuit board top- and bottom-side applications; harsh environments; high-temp industrial applications |
| | Z-Ultimate® White, gloss polyester facestock that provides outstanding print quality and unparalleled smear and scratch resistance. Offers good resistance to chemicals. Recommended for applications that require up to 3 years outdoors; temperature exposure up to 300° F. | | | |
| | 4000T | TT | Gloss polyester label with a high-performance permanent acrylic adhesive; UL/CSA acceptances; also available in silver and clear | UL/CSA compliance product labeling; top-side PCB labeling; asset labeling; automotive labeling; serial plate labeling; UID compliance |
| | 4000T Removable | TT | Gloss polyester label with a removable acrylic adhesive; UL acceptances | UL compliance product labeling; removable shelf or scan-pallet labels; labels in contact with moving parts or friction; fanfolding applications |
| | 4000T High-Tack | TT | Gloss polyester label with a high-tack permanent acrylic adhesive; UL/CSA acceptances; also available in silver | UL/CSA compliance product labeling; asset labeling; automotive labeling; serial plate labeling; fanfolding applications; hard-to-label surfaces |
| | 4000T Tag | TT | Gloss polyester laminated tag available in 8 mil thickness | Tags requiring high environmental resistance; outdoor storage tags; water immersed tags; steel tags; high-quality hang tags |
| | 3000T | TT | Gloss polyester label with a high-performance permanent acrylic adhesive; UL/CSA acceptances; also available in silver | UL/CSA compliance product labeling; top-side PCB labeling; asset labeling; automotive labeling; serial plate labeling |
| | 2000T | TT | Polyester gloss label with a permanent acrylic adhesive; UL acceptances | Product labeling; top-side PCB labeling; asset labeling; automotive labeling; serial plate labeling; fanfolding applications |
| | Z-Xtreme™ White, matte polyester facestock that provides outstanding print quality and good smear and scratch resistance. Offers excellent resistance to chemicals. Recommended for applications that require up to 3 years outdoors; temperature exposure up to 300° F. | | | |
| | 4000T | TT | Matte polyester label with a high-performance acrylic adhesive; UL/CSA acceptances; provides harsh-chemical resistance; also available in silver | UL/CSA compliance product labeling; asset labeling; automotive labeling, particularly around battery use; medical device labeling; serial plate labeling |
| | 4000T High-Tack | TT | Matte polyester label with a high-tack permanent rubber adhesive; UL/CSA acceptances; provides harsh-chemical resistance; also available in silver | UL/CSA compliance product labeling; medical device labeling; asset labeling; automotive labeling; serial plate labeling; hard-to-label surfaces |

| Min. Application Temperature | Service Temperature | Surfaces to be Labeled | | | | | | | Environment | | Resistance | | | | | | Suggested Ribbons | | |
|--|---------------------------------------|------------------------|-------|-----------------|---------------|---------------|----------------|-----------------|----------------|---------|------------|----------|----------|-----------------|---------------------|------------------|--------------------|----------------------|-----------------|
| | | Corrugate | Paper | Packaging Films | Most Plastics | Metal & Glass | Rough Surfaces | Curved Surfaces | Moist Surfaces | Indoors | Outdoors | Moisture | Abrasion | Chemical – Weak | Chemical – Moderate | Chemical – Harsh | Chemical – Extreme | Standard Application | High-Durability |
| PERFORMANCE CHARACTERISTICS | | | | | | | | | | | | | | | | | | | |
| ■ Recommended ■ Test In Your Application ■ Not Recommended | | | | | | | | | | | | | | | | | | | |
| 25° F -4° C | -65° F to 160° F -54° C to 71° C | Green | Green | Green | Green | Green | Yellow | Green | Yellow | Green | Green | Red | Yellow | Yellow | Yellow | Red | Red | Red | Red |
| 25° F -4° C | -65° F to 200° F -54° C to 93° C | Green | Green | Green | Green | Green | Yellow | Green | Yellow | Green | Green | Red | Yellow | Yellow | Yellow | Red | Red | Red | Red |
| 25° F -4° C | -40° F to 140° F -40° C to 60° C | Green | Green | Green | Green | Green | Yellow | Green | Yellow | Green | Green | Red | Yellow | Yellow | Yellow | Red | Red | Red | Red |
| -20° F -29° C | -65° F to 140° F -54° C to 60° C | Green | Green | Green | Green | Green | Yellow | Green | Yellow | Green | Green | Red | Yellow | Yellow | Yellow | Red | Red | Red | Red |
| -40° F -40° C | -40° F to 194° F -40° C to 90° C | Green | Green | Green | Green | Green | Yellow | Green | Yellow | Green | Green | Red | Yellow | Yellow | Yellow | Red | Red | Red | Red |
| 40° F 4° C | -40° F to 140° F -40° C to 60° C | Green | Green | Green | Green | Green | Yellow | Green | Yellow | Green | Green | Red | Yellow | Yellow | Yellow | Red | Red | Red | Red |
| 40° F 4° C | -40° F to 140° F -40° C to 60° C | Green | Green | Green | Green | Green | Yellow | Green | Yellow | Green | Green | Red | Yellow | Yellow | Yellow | Red | Red | Red | Red |
| N/A | -40° F to 194° F -40° C to 90° C | White | White | White | White | White | White | White | White | White | Green | Red | Yellow | Yellow | Yellow | Red | Red | Red | Red |
| | | | | | | | | | | | | | | | | | | | |
| 50° F 10° C | -40° F to 500° F -40° C to 260° C | Red | Red | Red | Green | Green | Yellow | Green | Yellow | Green | Green | Green | Green | Green | Yellow | Red | Red | Red | Red |
| 50° F 10° C | -40° F to 482° F -40° C to 250° C | Red | Red | Red | Green | Green | Yellow | Green | Yellow | Green | Green | Green | Green | Green | Yellow | Red | Red | Red | Red |
| | | | | | | | | | | | | | | | | | | | |
| 50° F 10° C | -112° F to 302° F -80° C to 150° C | Green | Green | Yellow | Green | Green | Yellow | Green | Yellow | Green | Green | Green | Green | Green | Yellow | Red | Red | Red | Red |
| 50° F 10° C | -20° F to 302° F -29° C to 150° C | Green | Green | Yellow | Green | Green | Yellow | Green | Yellow | Green | Green | Green | Green | Green | Yellow | Red | Red | Red | Red |
| 50° F 10° C | -40° F to 302° F -40° C to 150° C | Green | Green | Yellow | Green | Green | Yellow | Green | Yellow | Green | Green | Green | Green | Green | Yellow | Red | Red | Red | Red |
| N/A | -40° F to 200° F -40° C to 93° C | White | White | White | White | White | White | White | White | White | Green | Red | Yellow | Yellow | Yellow | Red | Red | Red | Red |
| 50° F 10° C | -40° F to 302° F -40° C to 150° C | Green | Green | Yellow | Green | Green | Yellow | Green | Yellow | Green | Green | Green | Green | Green | Yellow | Red | Red | Red | Red |
| 50° F 10° C | -40° F to 302° F -40° C to 150° C | Green | Green | Yellow | Green | Green | Yellow | Green | Yellow | Green | Green | Green | Green | Green | Yellow | Red | Red | Red | Red |
| | | | | | | | | | | | | | | | | | | | |
| 50° F 10° C | -40° F to 300° F -40° C to 149° C | Green | Green | Yellow | Green | Green | Yellow | Green | Yellow | Green | Green | Green | Green | Green | Yellow | Red | Red | Red | Red |
| 40° F 4° C | -40° F to 300° F -40° C to 149° C | Green | Green | Yellow | Green | Green | Yellow | Green | Yellow | Green | Green | Green | Green | Green | Yellow | Red | Red | Red | Red |

Performance characteristics are based on combination with high-durability ribbon.

| Product Name | Thermal Transfer (TT) Direct Thermal (DT) | Product Description | Applications |
|--|--|--|--|
| Z-Xtreme™ <i>Continued</i> | | | |
| White, matte polyester facestock that provides outstanding print quality and good smear and scratch resistance. Offers excellent resistance to chemicals. Recommended for applications that require up to 3 years outdoors; temperature exposure up to 300° F. | | | |
| 2000T | TT | Matte polyester label with a permanent acrylic adhesive; UL acceptances; provides moderate chemical resistance; also available in silver and clear | UL compliance product labeling; asset labeling; serial plate labeling |
| 2000T High-Tack | TT | Matte polyester label with a high-tack permanent acrylic adhesive; provides moderate chemical resistance; also available in silver | Product labeling; medical device labeling; asset labeling; serial plate labeling; hard-to-label surfaces |
| 2000T Removable | TT | Matte polyester label with a removable acrylic adhesive; provides moderate chemical resistance | Removable shelf or bin labels; provides good resistance to common industrial cleaning solutions |
| PolyPro™ | | | |
| White, matte polypropylene facestock that provides high print quality and resistance to scratching and smearing; offers some flexibility for labeling curved surfaces. Thermal transfer materials recommended for applications that require up to 1-2 years outdoors; temperature exposure up to 250° F. | | | |
| 4000T | TT | Kimdura® polypropylene label with a permanent acrylic adhesive; CSA acceptances; meets FDA 175.105 indirect food contact requirements | Chemical drum, medical device, or indirect food labeling; capital asset labeling; labeling small curved or irregularly shaped products; UID compliance |
| 4000T High-Tack | TT | Kimdura polypropylene label with a high-tack acrylic permanent adhesive; meets FDA 175.105 indirect food contact requirements | Chemical drum, medical device, or indirect food labeling; capital asset labeling; labeling small curved or irregularly shaped products; hard-to-label surfaces |
| 4000T Removable | TT | Kimdura polypropylene label with a removable acrylic adhesive; provides good resistance to common industrial cleaning solutions | Removable shelf, bin, furniture, or product labeling |
| 4000D | DT | Polypropylene label with an all-temp permanent acrylic adhesive that allows label to be applied to surfaces as cold as -40° F; meets FDA 175.105 indirect food contact requirements | Indoor, general-purpose labeling; houseware goods labeling; cold storage; provides good resistance to common industrial cleaning solutions |
| 4000D Removable | DT | Polypropylene label with a removable acrylic adhesive; meets FDA 175.105 indirect food contact requirements | Indoor, removable, general-purpose labeling; labeling Tupperware® containers; shelf labeling |
| 4000T Tag | TT | Polypropylene tag available in 7.0 and 8.5 mil thickness | Outdoor, general-purpose tagging; wire marking, visitor passes, bin tags, pallets |
| 4000D Receipt | DT | Polypropylene receipt available in 3.8 mil thickness | Traffic citations; receipt applications that may be exposed to moisture; direct store delivery |
| 3000T | TT | Polypropylene label with a permanent acrylic adhesive; meets FDA 175.105 indirect food contact requirements | Chemical drum, test tube, or indirect food labeling; capital asset labeling; labeling small curved or irregularly shaped products; labeling packages in cold storage |
| 3000T High-Tack | TT | Polypropylene label with a high-tack permanent acrylic adhesive | Chemical drum, medical device, or indirect food labeling; capital asset labeling; labeling small curved or irregularly shaped products; hard-to-label surfaces |
| Poly0™ | | | |
| White, corona-treated polyolefin facestock that provides flexibility for labeling curved or rough surfaces; minimal resistance to scratching and smearing. Recommended for applications that require up to 6 months outdoors; temperature exposure up to 200° F. | | | |
| 4000T | TT | Semi-rigid corona-treated polyolefin label with an all-temp permanent acrylic adhesive that provides high initial tack and cold-temperature properties; meets FDA 175.105 indirect food contact requirements | Chemical drum labels; medical and pharmaceutical labeling; cold-temperature storage |
| 3000T | TT | Highly flexible corona-treated polyolefin label with an all-temp permanent acrylic adhesive that provides high initial tack designed exclusively for industrial labeling applications | Chemical drum labeling; product labeling; retail applications; recyclable shrink wrap applications; labeling harness configurations |
| Specialty | | | |
| White, synthetic labels and tags designed for unique or challenging applications. | | | |
| 8000T High-Temp Matte | TT | Matte polyetherimide label with a high-temp permanent acrylic adhesive | High-heat applications such as PCB labeling, steel and automotive labeling, and work in process |
| 8000T Ultra High-Tack Matte | TT | Matte polyester label with a high-tack permanent acrylic adhesive for difficult-to-label surfaces | Asset and machinery tracking; labeling textured surfaces, plastic, painted or bare metal and wood; UID compliance |
| 8000T Image Lock™ | TT | Polyolefin label with a permanent acrylic adhesive; match with Image Lock ribbon to produce exceptional print quality; provides excellent chemical resistance; 5-year outdoor durability | Chemical drums; laboratory labeling; automotive labeling; process control of electronic components; serial plate labeling; UID compliance |
| 8000T RetroScan | TT | Silver gloss retro-reflective polyester label with a permanent acrylic adhesive designed specifically for long-range scanning | Indoor warehouse bin/shelf/location labels for long-range scanning |

| Min. Application Temperature Service Temperature | | Surfaces to be Labeled | | | | | | | Environment | | Resistance | | | | | | Suggested Ribbons | |
|--|---------------------------------------|------------------------|-------|-----------------|---------------|---------------|----------------|-----------------|----------------|---------|------------|----------|----------|-----------------|---------------------|------------------|--------------------|----------------------|
| | | Corrugate | Paper | Packaging Films | Most Plastics | Metal & Glass | Rough Surfaces | Curved Surfaces | Moist Surfaces | Indoors | Outdoors | Moisture | Abrasion | Chemical – Weak | Chemical – Moderate | Chemical – Harsh | Chemical – Extreme | Standard Application |
| PERFORMANCE CHARACTERISTICS | | | | | | | | | | | | | | | | | | |
| ■ Recommended ■ Test In Your Application ■ Not Recommended | | | | | | | | | | | | | | | | | | |
| 50° F 10° C | -40° F to 302° F -40° C to 150° C | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | 3200, 5586 | 5095, 5100 |
| 50° F 10° C | -40° F to 302° F -40° C to 150° C | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | 3200, 5586 | 5095, 5100 |
| 50° F 10° C | -40° F to 302° F -40° C to 150° C | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | 3200, 5586 | 5095, 5100 |
| | | | | | | | | | | | | | | | | | | |
| 10° F -12° C | -40° F to 250° F -40° C to 121° C | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | 5555, 3200 | 5586 |
| 35° F 2° C | -65° F to 200° F -54° C to 93° C | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | 5555, 3200 | 5586 |
| 45° F 7° C | 0° F to 160° F -18° C to 71° C | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | 5555, 3200 | 5586 |
| -40° F -40° C | -65° F to 131° F -54° C to 55° C | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | N/A | N/A |
| 10° F -12° C | -20° F to 120° F -29° C to 49° C | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | N/A | N/A |
| N/A | -40° F to 200° F -40° C to 93° C | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | 3200, 5586 | 4100, 5095 |
| N/A | -40° F to 140° F -40° C to 60° C | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | N/A | N/A |
| 45° F 7° C | -65° F to 200° F -54° C to 93° C | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | 3200, 5586 | 4100, 5095 |
| 32° F 0° C | -75° F to 200° F -59° C to 93° C | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | 3200, 5586 | 4100, 5095 |
| | | | | | | | | | | | | | | | | | | |
| 10° F -12° C | -40° F to 176° F -40° C to 80° C | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | 3200, 5586 | 5095 |
| 25° F -4° C | -40° F to 176° F -40° C to 80° C | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | 3200, 5586 | 5095 |
| | | | | | | | | | | | | | | | | | | |
| 40° F 4° C | -20° F to 392° F -29° C to 200° C | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | 5555, 3200 | 5586, 5095 |
| 50° F 10° C | -20° F to 302° F -29° C to 150° C | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | 5555, 3200 | 5586 |
| 50° F 10° C | -112° F to 248° F -80° C to 120° C | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | N/A | Image Lock |
| 45° F 7° C | -40° F to 300° F -40° C to 149° C | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | 5095 | 5095 |

Performance characteristics are based on combination with high-durability ribbon.

| Product Name | Thermal Transfer (TT) Direct Thermal (DT) | Product Description | Applications |
|---|--|--|--|
| Specialty <i>Continued</i> White, synthetic labels and tags designed for unique or challenging applications. | | | |
| 8000T Z-Endure™ | TT | Special acrylic label with a permanent acrylic adhesive that offers 10-year outdoor durability | Vending machines, utility meters, signs, posts; outdoor tools/equipment that require extended outdoor exposure up to 10 years; UID compliance |
| 8000T ESD Gloss | TT | Gloss polyester electrostatic dissipative label with a high-temp permanent acrylic adhesive; meets ESD S11.11 Surface Resistance Test requirements | Applications requiring resistance to electrostatic discharge; circuit boards, disk drives, and other sensitive electronic components |
| 8000T Pattern Gloss | TT | Gloss polyester label with a pattern permanent acrylic adhesive to avoid residue on products | Jewelry tags, ring labels, small cable wiring |
| 8000T Piggyback Clear Matte | TT | Piggyback matte polyester label with a permanent acrylic adhesive that can be over-laminated with a clear polyester liner | Asset management labeling; chemical containers; automotive labeling; UID compliance |
| 8000T CryoCool™ | TT | Polypropylene label with a cold-temp permanent acrylic adhesive that offers extremely low-temperature performance down to -320° F | Cryogenic applications involving a deep freezing process; medical labs, hospitals |
| 8000T Low-Temp Matte | TT | Matte polyolefin label with a cold-temp permanent acrylic adhesive that offers -112° F performance for low-temperature use; provides resistance to repeated freeze and thaw cycles | Cold-temperature applications down to -112° F; cold storage; virology labeling, genetics labeling, DNA sequencing; labeling vials, test tubes, ampules |
| 8000T Low-Temp Gloss | TT | Gloss polypropylene label with a cold-temp permanent acrylic adhesive that offers -112° F performance for low-temperature use; provides outdoor durability for 1-2 years; available in white and clear | Cold-temperature applications down to -112° F; cold storage; virology labeling, genetics labeling, DNA sequencing; steam sterilization |
| 8000T Void Gloss | TT | Gloss polyester label with a tamper-proof adhesive that leaves a "void" pattern when label is removed | Serial number plates; warranty/authenticity label; tamper-evident security labels; capital asset labeling |
| 8000T Void Matte Silver | TT | Matte polyester label with a tamper-proof adhesive that leaves a "void" pattern when label is removed; UL acceptances | Serial number plates; warranty/authenticity label; tamper-evident security labels; capital asset labeling |
| 8000T Checkerboard Gloss | TT | Silver gloss polyester label with a tamper-proof adhesive that leaves a checkerboard pattern when label is removed; maintains tamper evidence feature up to 176° F | Security and product authentication applications such as cellular phones |
| 8000T Z-Destruct™ | TT | Vinyl label with a permanent acrylic adhesive that destructs when label is removed | Serialized data and warranty labels; applications requiring destructible solution; ideal for high-value electronics |
| 8000T Vinyl Clear | TT | Clear matte vinyl label with a permanent acrylic adhesive that is highly flexible | Wrap around wire labeling; wrap around vial or tube labeling |
| 8000T Primary Blood Bag | TT | Polypropylene label with an all-temp acrylic adhesive; compliant with FDA 175.105 | Primary and secondary blood bag labeling; IV bag labeling |
| 8000T Jewelry | TT | Polypropylene label with a permanent acrylic adhesive; provides high print quality and smudge resistance; available in custom colors | Ideal for jewelry and ring labels; safe to use in jewelry steamers and cleaners |
| 8000D Jewelry | DT | Polypropylene label with a permanent acrylic adhesive; UV shield provides resistance to ultraviolet light; available in custom colors | Ideal for jewelry and ring labels; safe to use in jewelry cleaners |
| 8000T Ultra-Tuff Tag | TT | Valéron® polyethylene tag that provides the highest tear resistance and durability; available in 4.0, 7.5, 9.5 mil thickness | Nursery tags; lumber tags; construction applications; outdoor storage tags |
| 8000T Tuff Tag | TT | Polyolefin tag that provides tear strength and outdoor use up to 1-2 years; available in 7.0 mil thickness | Nursery tags; lumber tags; outdoor storage tags |
| 8000T Light-Weight Tag | TT | Tyvek® olefin tag that provides tear resistance and durability; lightweight; available in 8.0 mil thickness | Sewn-in tags, lawn tags, garment tags; seat belts; greenhouse and nursery tags; staple-on tags; outdoor storage |
| 8000T Nylon Tag | TT | Woven nylon tag that may be sewn into clothing; provides outstanding print quality; available in 5.7 mil thickness | Seat belt tagging; care tag applications |
| Wristbands Synthetic wristbands uniquely configured for optimal use in Zebra tabletop and desktop printers. Each material provides durability and security enhancements including security slits, void features, or clip closures. | | | |
| Z-Band® Direct | DT | Polypropylene wristband with a permanent acrylic adhesive and a polyester liner; tamper-evident security slits; color-coated options | Hospitals, patient identification, water parks, theme parks, disaster relief, correctional facilities |
| Z-Band® QuickClip™ | DT | Polypropylene 6.0 mil tag with secure clip closure; color-coated clip options | Hospitals, patient identification, water parks, theme parks, disaster relief, correctional facilities |
| Z-Band® 4000 | TT | Gloss polyester wristband with a permanent acrylic adhesive; color-coated options | Hospitals, patient identification, water parks, theme parks, disaster relief, correctional facilities |
| Z-Band® 4000 Void | TT | Tamper-proof, gloss polyester wristband with a permanent acrylic adhesive; color-coated options | Hospitals, patient identification, water parks, theme parks, disaster relief, correctional facilities |

| Min. Application Temp. Service Temp. | | Surfaces to be Labeled | | | | | | Environment | | Resistance | | | | | Suggested Ribbons | | | |
|---|---------------------------------------|-----------------------------|--------------------------|--------------------------|--------------------------|---------------|----------------|--------------------------|--------------------------|--------------------------|-------------|--------------------------|--------------------------|-----------------|--------------------------|------------------|---------------------|----------------------|
| | | Corrugate | Paper | Packaging Films | Most Plastics | Metal & Glass | Rough Surfaces | Curved Surfaces | Moist Surfaces | Indoors | Outdoors | Moisture | Abrasion | Chemical – Weak | Chemical – Moderate | Chemical – Harsh | Chemical – Extreme | Standard Application |
| | | PERFORMANCE CHARACTERISTICS | | | | | | | | | | | | | | | | |
| | | Recommended | | Test In Your Application | | | | Not Recommended | | | | | | | | | | |
| 50° F 10° C | -40° F to 302° F -40° C to 150° C | Not Recommended | Not Recommended | Recommended | Recommended | Recommended | Recommended | Test In Your Application | Test In Your Application | Recommended | Recommended | Recommended | Recommended | Recommended | Test In Your Application | Not Recommended | 4100, 5095 | 5100 |
| 50° F 10° C | -40° F to 302° F -40° C to 150° C | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Test In Your Application | Not Recommended | 5095 | 5100 |
| 45° F 7° C | -40° F to 300° F -40° C to 149° C | Test In Your Application | Test In Your Application | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Test In Your Application | Not Recommended | 4100, 5095 | 5100 |
| 50° F 10° C | -40° F to 302° F -40° C to 150° C | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Test In Your Application | Not Recommended | 2000, 2100, 5319 | 3200 |
| -20° F -29° C | -320° F to 190° F -196° C to 88° C | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Test In Your Application | Recommended | Recommended | Test In Your Application | Not Recommended | 5095 | 5095 |
| 50° F 10° C | -112° F to 200° F -80° C to 93° C | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Test In Your Application | Not Recommended | 5555 | 3200, 5095 |
| 50° F 10° C | -112° F to 250° F -80° C to 121° C | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Test In Your Application | Not Recommended | 5095 | 5095 |
| 50° F 10° C | -40° F to 158° F -40° C to 70° C | Not Recommended | Not Recommended | Test In Your Application | Test In Your Application | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Test In Your Application | Not Recommended | 4100, 5095 | 5100 |
| 50° F 10° C | -40° F to 104° F -40° C to 40° C | Not Recommended | Not Recommended | Test In Your Application | Test In Your Application | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Test In Your Application | Not Recommended | 5555, 3200 | 5586 |
| 50° F 10° C | -40° F to 176° F -40° C to 80° C | Not Recommended | Not Recommended | Test In Your Application | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Test In Your Application | Not Recommended | 4100, 5095 | 5100 |
| 50° F 10° C | -60° F to 250° F -51° C to 121° C | Test In Your Application | Test In Your Application | Test In Your Application | Test In Your Application | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Test In Your Application | Not Recommended | 3200, 5586 | 5095 |
| 50° F 10° C | -40° F to 176° F -40° C to 80° C | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Test In Your Application | Recommended | Not Recommended | Not Recommended | 5555, 3200 | 5586, 5095 |
| -20° F -29° C | -65° F to 250° F -54° C to 121° C | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Test In Your Application | Not Recommended | 5555, 3200 | 5586 |
| 45° F 7° C | -40° F to 250° F -40° C to 121° C | Recommended | Recommended | Not Recommended | Not Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Test In Your Application | Not Recommended | 3200, 5586 | 5095 |
| -10° F -23° C | -40° F to 120° F -40° C to 49° C | Recommended | Recommended | Not Recommended | Not Recommended | Recommended | Recommended | Recommended | Recommended | Test In Your Application | Recommended | Recommended | Recommended | Recommended | Test In Your Application | Not Recommended | N/A | N/A |
| N/A | -70° F to 200° F -57° C to 93° C | | | | | | | | | Recommended | Recommended | Recommended | Recommended | Recommended | Test In Your Application | Not Recommended | 5555, 3200 | 5586 |
| N/A | -70° F to 200° F -57° C to 93° C | | | | | | | | | Recommended | Recommended | Recommended | Recommended | Recommended | Test In Your Application | Not Recommended | 5555, 3200 | 5586 |
| N/A | -40° F to 200° F -40° C to 93° C | | | | | | | | | Recommended | Recommended | Recommended | Recommended | Recommended | Test In Your Application | Not Recommended | 2000, 5319 | 3200 |
| N/A | -40° F to 302° F -40° C to 150° C | | | | | | | | | Recommended | Recommended | Recommended | Recommended | Recommended | Test In Your Application | Not Recommended | 3200, 5095 | Nylon Ribbon |
| | | | | | | | | | | | | | | | | | | |
| N/A | -20° F to 140° F -29° C to 60° C | | | | | | | | Recommended | Test In Your Application | Recommended | Recommended | Recommended | Recommended | Test In Your Application | Not Recommended | N/A | N/A |
| N/A | -40° F to 200° F -40° C to 93° C | | | | | | | | Recommended | Test In Your Application | Recommended | Recommended | Recommended | Recommended | Test In Your Application | Not Recommended | N/A | N/A |
| N/A | -20° F to 300° F -29° C to 149° C | | | | | | | | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Test In Your Application | Not Recommended | 4100, 5095 | 5100 |
| N/A | -20° F to 200° F -29° C to 93° C | | | | | | | | Recommended | Recommended | Recommended | Recommended | Recommended | Recommended | Test In Your Application | Not Recommended | 4100, 5095 | 5100 |

Performance characteristics are based on combination with high-durability ribbon.

