SELECTOR GUIDE
ZEBRA CERTIFIED SUPPLIES

Zebra Certified Supplies

Print Confident. Print Secure. Print Zebra.

Printing supplies can impact everything from printhead lifespan to operational efficiency. That's why we produce our own line of thermal printing supplies to ensure consistent, optimised performance in Zebra printers. With Zebra Certified Supplies, customers get:

Consistently outstanding quality	Exceptional service	Unmatched thermal printing expertise
We painstakingly comb through thousands of raw materials and only use conversion processes, inks, varnishes, tools and equipment that are optimised for thermal printing. In addition, we subject every item to rigorous testing, ensuring premium craftsmanship and durability. Only the best become Zebra Certified Supplies.	One of the largest and most experienced thermal label convertors in the world, Zebra has the size, scale and infrastructure to meet your printing supply needs quickly and effectively.	With over five decades of experience, Zebra is known the world over for our exceptional quality, durability and dedication to thermal printing technologies.

Key Applications

Retail
Shelf-labeling, Markdown, Pharmacy, Item Labeling and Tagging

Healthcare
Patient Identification, Specimen Collection, Lab Specimen Processing

Transportation and Logistics
Shipping, Pallet Labeling, Packing Lists

Manufacturing
Product Identification, Work-in-Process, Parts Identification

Public Sector
Ticketing and eCitations
Evidence Documentation / Tracking
Maintenance and Repair
Incident Reporting
Inventory Management
Asset Tracking
Identification

Why Choose Zebra Certified Supplies?

Meet end-user needs and requirements with Zebra Certified Supplies. With access to over 1,000 combinations of high-quality labels, tags, receipt paper, wristbands and ribbons, in addition to over 600 stock ZipShip™ products, you will be able to meet the requirements of most applications.

In addition, Zebra has:

Three EMEA Locations	These locations ensure quick delivery.
Inventory Management Programs	These programs improve cost and delivery time.
Printhead Protection Programme	This program awards end-users who purchase exclusively Zebra Certified Supplies with printheads free of charge. Please see more details here
Extensive Manufacturing Capabilities	Zebra manufacturing capabilities include RFID inlay insertion, laminating, perforations, face and back slits, custom sizes and colour pre-printing.
An Experienced Supplies R&D Team	The team pre-tests all materials on Zebra printers and conducts additional testing to ensure it will meet the needs of the application.
ISO 9001:2015 Registered	Ensures you'll always receive consistent, quality products.
ISO 14001:2015 Registered	Environmental impact is measured and improved.

With more than 1,000 combinations of high-quality and reliable labels, tags, receipt paper, wristbands, RFID media, 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 has 3 locations in Europe ensuring quick delivery.

R&D Capabilities

With more than 30 years of experience working with thermal print and sensor technologies, our degreed and advanced degreed R&D team members have produced over 200 patents creating products to support our customers' needs. With three Innovation Labs (Materials Science and Thermal Printing, RFID Analysis and Design, and Analytical, Organic, Physical, and Polymer Chemistry), Zebra has the know how and experience to produce the right product for your application.

We Can Test

- Image abrasion / durability
- Accelerated outdoor life
- Adhesion strength on various materials
- Temperatures from -112°F / -80°C to 1,000°F / 538°C
- Material tear strength
- Harsh chemicals
- Printhead life
- Scanning Electron Microscope Analysis
- Advanced Chemical Analysis
- Advanced Micropscopy Analysis
- Polymer Design and Development
- Micro Encapsulation Design and Development
- RFID Antenna Design and Development
- Advanced RFID Analysis
- FTIR Analysis

Services Offered

- Application assistance and testing
- New material development
- Exact-match samples
- UL/cUL
- IMDS approvals

Manufacturing Capabilities

A world-class convertor of labels, tags, receipt paper and wristbands, Zebra specializes in narrow-web flexographic printing on thermal materials. By making and testing our own printer supplies, we can assure you receive the highest-quality products performance-matched to your Zebra printer and application. Our multiple manufacturing locations provide convenient shipping throughout the world.

Printing

- Up to eight colours or coatings
- Front- and back-side printing
- Computerized vision-inspection systems
- UL mark

Converting

- Roll-to-roll and fanfolding
- RFID Inlay Insertion
- Press widths from 7 inches to 17 inches
- Laminating
- Die cutting up to three stations
- Perforations, face slits, and back slits
- Adhesive deadening and spot coating
- UL/cUL

Finishing

- 1/2-inch to 6-inch cores
- Shrink-wrapping
- Custom kits

Custom Supplies

Discover the value of Zebra supplies

We specialize in manufacturing supplies to meet the exact requirements of an end-user. Whether a specialty material, configuration or pre-print is needed, we can meet your needs.

Zebra has intimate knowledge of thermal printers and understands the importance of using quality materials and processes. We offer over 100 pre-tested materials and have access to thousands more through our extensive network of suppliers. Explore some of our most common materials.

When you use Zebra Certified Supplies you can rest assured that the supplies you rely on to provide critical data to improve your operations, don't negatively affect your operational productivity and efficiency. Custom supplies are designed, manufactured and tested to high standards so you can be assured of the results.

- Experts available to assist in material selection
- Expedite service offered to reduce lead time
- Over 8,000 dies available
- Free dies on all custom media orders

To simplify the selection process when you speak to our experts, please provide the following information in your material selection:

Printer model

Resistance — chemical, scratch, etc.

Environment — indoors or outdoors, temperature, etc.

Surface — metal, plastic, rough, curved, etc.

Size — length, width, perforations, slits, etc

Please see more details here

Inventory Management Solutions

Money-Saving Options

We offer an array of inventory management programs for custom supplies. Because requirements vary, Zebra has developed three different inventory management solutions. From the simplicity of a blanket order to the power of our Inventory Management Program, we have a solution to help businesses save money and run more efficiently.

Blanket Order	3-6 Month Make and Hold	Supplies Management Program
• Price protection • Pre-scheduled shipments • Low minimum requirements	• Price protection • Flexible shipment dates and quantities • No inventory carrying costs • No lead times after initial run • Renewable	• Price protection • Same-day or next-day shipments • No inventory carrying costs • No lead times after initial run • Renewable

Sample Program

Methods to Acquire Sample Materials

Sample Packs

- Contain an array of materials
- Samples packs available:
  - RFID
  - Healthcare
  - Wristbands
  - Environmental Sensors
- Individual label samples with variable information pre-print
  - Evaluation of adhesive, thickness and durability of pre-printed image.

ZipShip Sample Roll

Available in different sizes of our most popular materials

- Full evaluation to test in application

Pilot Run

- Exact size and configuration.
- Intended to be used for demo and testing purposes.
- Demo discount

Material Naming Convention

Example: 8000T Piggyback

Specialty	8000	T	Piggyback

Family	Classification	Print Technology	Unique Features
Z-Essentials Z-Perform™ Z-Select™ PolyE PolyO™ PolyPro™ Z-Xtreme™ Z-Ultimate® Z-Supreme™ Specialty	500 1000 2000 3000 4000 5000 8000	D (Direct thermal) T (Thermal transfer)	Colour Adhesive Tag / Receipt Material

Family	Paper	Synthetic
Zebra offers a variety of paper and synthetic media, which will meet the requirements of most applications. Paper offers an inexpensive way to print in a variety of general purpose applications, while synthetic offers more durable, long-lasting results with resistance to abrasion, moisture, and chemicals.	Z-Essentials Z-Perform Z-Select Specialty	PolyE PolyO PolyPro Z-Xtreme Z-Ultimate

Classifications	500-5000	8000
Zebra media products are classified by their level of performance and cost. Specialty products are classified separately.	The higher the number, the higher the performance	Specialty products with some unique features designed for specialized applications

Print Technology	Direct Thermal	Thermal Transfer
Thermal transfer technology uses a ribbon to transfer an image onto the label material. Direct thermal technology does not require a ribbon. Instead, a chemically coated heat-sensitive material produces images as heat is applied to the surface.	• Primarily indoor use • Short to medium-term lifespan • Minimal chemical resistance • No ribbon	• Indoor or outdoor usage • Medium to long-term lifespan • Excellent chemical resistance • Ribbon needed

Unique Feature
The unique feature is a material attribute that differentiates the product. For example, the product can be described by the colour, adhesive, material, or whether it is a tag or receipt.

Comparison of Thermal Transfer Ribbons

Ribbon	Formulation	Material Compatibility	Darkness Setting		Print Speed		Scratch / Smear Resistance		Chemical Resistance	
			Low	High	Low	High	Low	High	Low	High
1600 Standard	Wax	Coated Paper								
2100 High-Performance	Wax	Uncoated Paper / Coated Paper								
2300 High-Performance	Wax	Uncoated Paper / Coated Paper								
3400 Standard	Wax / Resin	Coated Paper / Matte Synthetics								
3300 Standard	Wax / Resin	Coated Paper / Matte Synthetics / Gloss Synthetics								
3200 High-Performance	Wax / Resin	Coated Paper / Matte Synthetics								
4800 Standard	Resin	Gloss Paper / Gloss Synthetics								
5095 High-Performance	Resin	Gloss Paper / Gloss Synthetics								
5100 Premium	Resin	Gloss Synthetics								
Image Lock™	Resin	Gloss / Matte Synthetics								

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/cUL
High-Temp	Maintains strong adhesion at high temperatures (over 300°F / 149°C)
Cold-Temp	Maintains strong adhesion at low temperatures (down to -112°F / -80°C)
All-Temp	May be applied to temperatures below freezing (32°F / 0°C)
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
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 Approved Materials

Zebra offers one of the largest selections of UL/cUL-certified label and ribbon combinations. In addition, all of our locations are authorized to pre-print the UL mark.

Product	Material	Ribbon	Recognition
Z-Supreme 4200T Yellow	Polymide	5100	UL
Z-Supreme 4000T White ESD	Polymide	5100	UL
Z-Ultimate 2500T White	Polyester	4800, 5095, 5100	UL
Z-Ultimate 3000T White	Polyester	4200, 4800, 5095, 5100	UL
Z-Ultimate 3000T Silver	Polyester	3200, 4800, 5095, 5100	UL/cUL
Z-Ultimate 3000T High Tack	Polyester	4800, 5095, 5100,	UL
Z-Xtreme 4000T White	Polyester	3200, 3400, 4800, 5095, 5100	UL/cUL
Z-Xtreme 4000T High-Tack White	Polyester	3400, 5095, 5100	UL/cUL
Z-Xtreme 4000T High-Tack Silver	Polyester	3200, 3400, 4800, 5095, 5100	UL/cUL
Z-Xtreme 4000T Silver	Polyester	3200, 3400, 4800, 5095, 5100	UL/cUL
Z-Xtreme 5000T White	Polyester	Image Lock	UL/cUL
Z-Xtreme 5000T Silver	Polyester	Image Lock	UL/cUL
8000T Void Matte	Polyester	3400*, 5095	UL
8000T ESD Gloss	Polyester	3400*, 5100	UL

*P4T Cartridge Only

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

Sustainability

Printing with the Planet in Mind

Zebra's environmental, social, and governance strategy focuses on reducing emissions and environmental impacts, as well as those of its partners and suppliers. Zebra also makes it easier for you to prioritize sustainability in buying decisions.

The strategy focuses on cutting emissions in manufacturing. Extending the usable life of products. Making it easier to encourage product reuse with interchangeable designs. Minimising packaging. And improving product design to make things easier to recycle and reduce waste, as evidenced by **Zebra ZeroLiner Linerless supplies**.

Manufacturer	Inlay/Size	IC/Memory	Image
Zebra	ZBR2000 95 x 8mm	UCODE 8 EPC – 128 bit User – NA	
Zebra	ZBR2100 95 x 8mm	UCODE 9 EPC – 96 bit User – NA	
Zebra	ZBR2100E 95 x 8mm	UCODE 9 EPC – 96 bit User – NA	
Boingtech	BT898C 95 x 8mm	M781 EPC: 128-bit User: 512-bit	
Boingtech	BT573 72 x 12mm	UCODE 9 EPC: 96-bit User: N/A"	
Boingtech	BT573 72 x 12mm	UCODE 8 EPC: 128-bit User: N/A	
Boingtech	BT0A83A 70 x 17mm	M780 EPC: 496-bit User: 128-bit	
Boingtech	BT577 31 x 18mm	Monza MR6-P EPC: 128-bit User: 32-bit	
Boingtech	BT793 50 x 30mm	UCODE 9 EPC: 96-bit User: N/A	
Boingtech	BT781 42 x 16mm	UCODE 8 EPC: 128-bit User: N/A	
Smartrac	Dogbone 94 x 24mm	UCODE 8 EPC: 128-bit User: N/A	
Stora Enso	Eco Rack 70 x 15mm	UCODE 8 EPC: 128-bit User: N/A	
Linxens	Boomerang 65 x 19mm	UCODE 9 EPC: 96-bit User: N/A	
Zebra	ZBR4000 91 x 35mm	UCODE 8 EPC: 128-bit User: N/A	
Zebra	ZBR4005 95 x 45mm	Monza 4E EPC: 496-bit User: 128-bit	
Zebra	ZBR8000 105 x 45mm	UCODE 9 EPC: 96-bit User: N/A	
Zebra	ZBR2002 20 x 60mm	UCODE 8 EPC: 128-bit User: N/A	

Labels – Paper

Product Name	TT* DT*	Product Description	Applications	Minimum Application Temperature	Service Temperature
Z-Essentials		Bright white, smooth paper facestock designed for mass-market applications and offer exceptional value. Recommended for indoor use.			
500D	DT	Matte white uncoated thermal paper label with a permanent acrylic adhesive; limited resistance to moisture or abrasion.	Indoor general purpose labelling, packaging and shipping, picking and receiving.	0°C	0°C to 40°C
500T	TT	Matte white uncoated thermal transfer paper label with a permanent acrylic adhesive.	Labelling of pallets, boxes, designed for high volume applications, shipping and picking labels for warehouse.	0°C	-20°C to 80°C
1000D	DT	Matte white coated thermal paper label with a permanent acrylic adhesive designed for indoor permanent labelling with some resistance to moisture, oils and other environmental factors.	Indoor general purpose labelling, packaging and shipping, picking and receiving, e-commerce shipping labels.	0°C	0°C to 40°C
Z-Perform		Bright white, smooth paper facestock that provides the optimal balance between performance and price for industrial applications. Recommended for indoor use.			
1000D	DT	Non-topcoated paper label with a permanent acrylic adhesive; limited resistance to moisture or abrasion, not recommended for high print speed applications.	Indoor general purpose labelling, packaging and shipping, picking and receiving, shelf edge, product and price labelling.	0°C	-20 to 80°C
Sustainable 1000D-E	DT	Non-topcoated paper label containing 15% post-consumer recycled materials with a permanent rubber based adhesive, not recommended for high print speed applications.	Box and packaging labelling, shipping, picking and receiving labels.	0°C	-40°C to 50°C
1000D High-Tack	DT	Non-topcoated paper label with a permanent rubber-based adhesive for increased adhesion; limited resistance to moisture or abrasion, not recommended for high print speed applications.	Indoor general purpose labelling, where quick adhesion is required, suitable for most packaging surfaces, product and price labelling including bakery/deli and cold storage, shipping and warehouse labelling.	0°C	-40 to 50°C
1000D Removable	DT	Non-topcoated paper label with a removable rubber-based adhesive; limited resistance to moisture or abrasion, not recommended for high print speed applications.	Labelling of most packaging surfaces, work in progress labelling, removable labels for tote bins, retail, boxes, shelves, temporary product identification.	-10°C	-30 to 70°C
1000D Deep-Freeze	DT	Non-topcoated paper label with a permanent acrylic-based adhesive for use in freezer temperatures; limited resistance to moisture or abrasion, not recommended for high print speed applications.	Indoor cold temperature labelling, labelling of most packaging material, cold storage applications, labelling in freezer environments.	-20°C	-40 to 60°C
1000D Phenol Free	DT	Non-topcoated paper label with a totally Phenol free facestock and permanent acrylic adhesive; limited resistance to moisture or abrasion, not recommended for high print speed applications.	Indoor general purpose labelling, packaging and shipping, picking and receiving, shelf edge, product and price labelling.	0°C	-20 to 80°C
1000D Phenol Free High-Tack	DT	Non-topcoated paper label with a totally Phenol free facestock and permanent rubber-based adhesive for increased adhesion; limited resistance to moisture or abrasion, not recommended for high print speed applications.	Indoor general purpose labelling, where quick adhesion is required, suitable for most packaging surfaces, product and price labelling including bakery/deli and cold storage, shipping and warehouse labelling.	0°C	-40 to 60°C
1000D Phenol Free Removable	DT	Non-topcoated paper label with a totally Phenol free facestock and removable acrylic adhesive; limited resistance to moisture or abrasion, not recommended for high print speed applications.	Labelling of most packaging surfaces, work in progress labelling, removable labels for tote bins, retail, boxes, shelves, temporary product identification.	5°C	-10 to 80°C
1000D Phenol Free Deep-Freeze	DT	Non-topcoated paper label with a totally Phenol free facestock and permanent acrylic-based adhesive for use in freezer temperatures; limited resistance to moisture or abrasion, not recommended for high print speed applications.	Indoor cold temperature labelling, labelling of most packaging material, cold storage applications, labelling in freezer environments.	0°C	-20 to 80°C
1000T	TT	Non-topcoated paper label with Permanent acrylic adhesive, designed for high volume and low cost. Latex free.	Standard labelling of pallets, boxes, designed for high volume applications, shipping and picking labels for warehouse.	0°C	-20°C to 80°C
1000T High-Tack	TT	Non-topcoated paper label with a rubber based adhesive for high volume labelling also contains low temperature resistance with increased adhesion.	High volume box, pallets and shipping labels. Print and apply applications.	0°C	-40 to 70°C
1000T Removable	TT	Non-topcoated paper label with a removable acrylic adhesive designed for packaging and long term removability for a range of surfaces.	Labelling of packaging materials boxes, pallets. Removable adhesive for work In progress applications.	-15°C	-30°C to 80°C

*TT Thermal Transfer DT Direct Thermal

Surfaces to be Labeled								Environment		Resistance						Suggested Ribbons	
Corrugate	Paper	Packaging Films	Most Plastics	Metal and Glass	Rough Surfaces	Curved Surfaces	Moist Surfaces	Indoors	Outdoors	Moisture	Abrasion	Chemical — Weak (ie. Window Cleaner)	Chemical — Moderate (ie. Alcohol, Bleach)	Chemical — Harsh (ie. Gasoline,	Chemical — Extreme (ie. Acetone,	Standard Application — Weak and Moderate	High Durability — Abrasion, Harsh and Extreme
●	●	●	●	●	●	●	●	●	NR	NR	NR	NR	NR	NR	NR	N/A	N/A
●	●	●	●	●	●	●	●	●	NR	NR	NR	NR	NR	NR	NR	1600	2300
●	●	●	●	●	●	●	●	●	NR	NR	NR	NR	NR	NR	NR	N/A	N/A
●	●	●	●	●	●	●	●	●	NR	NR	●	NR	NR	NR	NR	N/A	N/A
●	●	●	●	●	●	●	●	●	NR	●	●	NR	NR	NR	NR	N/A	N/A
●	●	●	●	●	●	●	●	●	NR	NR	NR	NR	NR	NR	NR	N/A	N/A
●	●	●	●	●	NR	NR	NR	●	NR	●	●	NR	NR	NR	NR	N/A	N/A
●	●	●	●	●	NR	●	●	●	NR	●	●	NR	NR	NR	NR	N/A	N/A
●	●	●	●	●	●	●	●	●	NR	NR	NR	NR	NR	NR	NR	N/A	N/A
●	●	●	●	●	●	●	●	●	NR	NR	NR	NR	NR	NR	NR	N/A	N/A
●	●	●	●	●	NR	NR	NR	●	NR	NR	NR	NR	NR	NR	NR	N/A	N/A
●	●	●	●	●	NR	●	●	●	NR	NR	NR	NR	NR	NR	NR	N/A	N/A
●	●	●	●	●	●	●	●	●	NR	●	●	●	NR	NR	NR	2300	2100
●	●	●	●	●	●	●	●	●	NR	●	●	●	NR	NR	NR	2300	2100
●	●	●	●	●	NR	●	NR	●	NR	●	●	●	NR	NR	NR	2300	2100

● Recommended ● Test In Your Application NR Not Recommended

Labels – Paper (continued)

Product Name	TT* DT*	Product Description	Applications	Minimum Application Temperature	Service Temperature
Z-Select		Premium, bright white, ultra-smooth paper facestock specially coated to provide optimal quality. Ideal for high-speed printing applications where print quality is important. Recommended for indoor use.			
1500D	DT	Paper label with protective topcoat designed for indoor permanent labelling with resistance to moisture, oils and other environmental factors and a permanent acrylic adhesive for excellent adhesion to a variety of surfaces.	Shelf edge labelling, chiller and freezer applications, Healthcare labelling, warehouse labelling.	0°C	-20°C to 50°C
2000D	DT	Paper label with protective topcoat designed for indoor permanent labelling and cold temperatures with a permanent rubber-based adhesive for excellent adhesion to a variety of surfaces.	Shelf edge labelling, chiller and freezer applications, Healthcare labelling, warehouse labelling.	0°C	-40°C to 50°C
2000D Removable	DT	Thermal paper label with a protective topcoat for indoor applications and cold/ deep freeze temperatures with a removable rubber-based adhesive.	Shelf edge removable labelling, pricing labels in retail, warehouse applications and product identification.	-20°C	-40°C to 50°C
2000D Phenol Free Deep Freeze	DT	Totally Phenol free Paper label with protective topcoat designed for indoor permanent labelling and cold temperatures with a permanent acrylic adhesive for excellent adhesion to a variety of surfaces.	Shelf edge labelling, chiller and freezer applications, Healthcare labelling, warehouse labelling.	-15°C	-50°C to 80°C
2000D Phenol Free High Tack	DT	Totally Phenol free Paper label with protective topcoat designed for indoor permanent labelling and cold temperatures with a permanent hig-tack rubber adhesive for excellent adhesion to a variety of surfaces.	Shelf edge labelling, chiller and freezer applications, Healthcare labelling, warehouse labelling.	-5°C	-40°C to 50°C
2000T	TT	Premium topcoated paper label designed for indoor use providing good print quality for a range of applications. Resistance to moisture and oil and environmental factors. Designed for cold temperatures.	Shelf edge labelling, price labelling in retail. Product identifications, healthcare applications and warehouse and shipping applications.	0°C	-20°C to 80°C
2000T Removable	TT	Premium topcoated paper label with a removable adhesive designed for indoor use, providing good print quality for a range of applications. Resistance to moisture and oil and environmental factors. Designed for cold temperatures. Its acrylic adhesive gives clean removability without damaging the label or surface.	Removable pricing labels in retail and work in progress. Product identification and warehouse applications for packaging materials.	-15°C	-30°C to 80°C

*TT Thermal Transfer DT Direct Thermal

Surfaces to be Labeled								Environment		Resistance						Suggested Ribbons	
Corrugate	Paper	Packaging Films	Most Plastics	Metal and Glass	Rough Surfaces	Curved Surfaces	Moist Surfaces	Indoors	Outdoors	Moisture	Abrasion	Chemical – Weak (ie. Window Cleaner)	Chemical – Moderate (ie. Alcohol, Bleach)	Chemical – Harsh (ie. Gasoline,	Chemical – Extreme (ie. Acetone,	Standard Application – Weak and Moderate	High Durability – Abrasion, Harsh and Extreme
								Yes									
●	●	●	●	●	●	●	●	●	NR	●	●	●	NR	NR	NR	N/A	N/A
●	●	●	●	●	●	●	●	●	NR	●	●	●	NR	NR	NR	N/A	N/A
●	●	●	●	●	NR	NR	NR	●	NR	●	●	●	NR	NR	NR	N/A	N/A
●	●	●	●	●	●	●	●	●	NR	●	●	●	NR	NR	NR	N/A	N/A
●	●	●	●	●	●	●	●	●	NR	●	●	●	NR	NR	NR	N/A	N/A
●	●	●	●	●	●	●	●	●	NR	●	●	●	NR	NR	NR	2300, 2100	3200, 3400
●	●	●	●	●	●	●	●	●	NR	●	●	●	NR	NR	NR	2300, 2100	3200, 3400

● Recommended ● Test In Your Application NR Not Recommended

Labels – Paper (continued)

Product Name	TT* DT*	Product Description	Applications	Minimum Application Temperature	Service Temperature
Specialty		White paper labels and tags designed for unique or challenging applications. Recommended for indoor use.			
8000D Blockout	DT	Non-topcoated paper label with a permanent acrylic adhesive designed to block/ cover up previously printed information. Good adhesion to wide variety of surfaces.	Price labelling/ markdown of previous price. Remarking of boxes or product identification	5°C	-20°C to 70°C
8000T All-Temp	TT	Premium topcoated paper label designed for indoor use with a protective top coat providing good print quality for a range of applications. Resistance to moisture and oil and environmental factors. Designed for wide temperature range.	Cold storage labelling, warehouse labelling and product identification especially in varying temperatures.	-29°C	-54°C to 93°C
8000T Semi-Gloss	TT	Permanent paper label designed for indoor use with a protective topcoat, semi-gloss finish and acrylic adhesive. Good adhesion for a variety of surfaces.	Standard product and price labelling in retailers and warehouse and shipping. High speed product identification.	0°C	-20°C to 80°C
8000T Semi-Gloss Blockout	TT	Permanent paper label designed for indoor use with an acrylic adhesive and semi-gloss finish. Designed to cover up old information or previous labels. Higher burn temperature required than normal semi gloss. Good adhesion for a variety of surfaces.	Rework Labelling, re-pricing labels and relabelling items and boxes with new information or correcting information.	0°C	-20°C to 80°C
8000T Semi-Gloss Deep-Freeze	TT	Permanent paper label with a semi-gloss finish, designed for indoor use and cold/ deep freeze temperatures. Contains a rubber adhesive suitable for a wide variety of surfaces.	Cold storage labelling including foodstuffs. Packaging labelling at low temperatures and product identification.	-20°C	-50°C to 70°C
8000T Semi-Gloss Piggyback	TT	Piggyback permanent paper label with a semi-gloss finish designed for indoor use with two layers of liner and acrylic adhesive allowing the piggyback to be reapplied to a new surface.	Plastic, glass and metal labelling. Labels designed for return mailing and order picking labels. Removable sections for shipping labels for signatures.	0°C	-20°C to 80°C
8000T Semi-Gloss Removable	TT	Removable paper label with a semi-gloss finish designed for indoor use. Suitable for cold temperatures and with an acrylic removable adhesive to provide clean removability on a variety of surfaces.	Removable labelling of packaging materials, warehouse and retail removable labelling. Product identification and shelf edge labelling.	-15°C	-30°C to 80°C
8000T Ultra-Removable	TT	Ultra-removable paper label designed for indoor use. Suitable for cold and deep freeze temperatures. Contains an ultra-removable rubber adhesive allowing long term clean removability on a variety of surfaces. Removability can be affected when exposed to UV.	Plastic, glass and metal labelling. Document tracking which allows clean removability, product and price labelling where long term removability required and warehouse labelling.	-20°C	-40°C to 80°C
IQ Color		Bright white, smooth paper facestock that has the ability to print vibrant color on demand in pre-defined zones to be used as a visual cue.			
Zebra Exclusive 2000D	DT	Paper label with a permanent acrylic adhesive. Limited resistance to moisture or abrasion.	Healthcare for prioritization of lab and pharmacy orders. Transportation and logistics for sortation and inventory management. Manufacturing for quality control and work in process. Retail for shelf and product labeling.	25°F -4°C	-54° to 40°C
Zebra Exclusive 2000D All-Temp	DT	Paper label with a permanent all-temp acrylic adhesive. Limited resistance to moisture or abrasion.	Cold temp. applications such as frozen food labeling. Retail for shelf and product labeling. Healthcare for prioritization of lab and pharmacy orders.	-20°F -29°C	-54°C to 49°C
Zebra Exclusive 2000D Removable	DT	Paper label with a removable acrylic adhesive. Limited resistance to moisture or abrasion.	Transportation and logistics for sortation and inventory management. Manufacturing for quality control and work in process. Retail for shelf and product labeling.	40°F 4°C	-54° to 40°C
Zebra Exclusive 2000D Opaque	DT	Opaque paper label with a high performance, acrylic-based adhesive. Limited resistance to moisture or abrasion.	Applications requiring a "cover-up" label. Transportation and logistics for sortation and inventory management. Manufacturing for quality control and work in process. Retail for shelf and product labeling.	40°F 4°C	-54°C to 49°C
ZeroLiner Linerless Media					
Sustainable 1000D	DT	Linerless thermal paper label with a permanent rubber adhesive, designed for use with a cutter. Eliminates liner waste.	Shipping labels for E-Commerce retailers, postal applications and food retail Applications that do not require use of a liner.	8°C	-10°C to 70°C
Sustainable 2000D	DT	Linerless thermal paper label with a permanent rubber adhesive. Eliminates liner waste.	Standard product and price labelling. Postal applications and food retail that do not require use of a liner.	10°C	-10°C to 60°C
Sustainable 4500D	DT	Premium linerless thermal paper label with a permanent acrylic adhesive for high volume and challenging printing environments. Eliminates liner waste.	Standard product and price labelling. Postal applications and food retail that do not require use of a liner.	5°C	-10°C to 100°C

*TT Thermal Transfer DT Direct Thermal

Surfaces to be Labeled										Resistance						Suggested Ribbons	
Corrugate	Paper	Packaging Films	Most Plastics	Metal and glass	Rough Surfaces	Curved Surfaces	Moist Surfaces	Indoors	Outdoors	Moisture	Abrasion	Chemical — Weak (ie. Window Cleaner)	Chemical — Moderate (ie. Alcohol, Bleach)	Chemical — Harsh (ie. Gasoline, Oil)	Chemical — Extreme (ie. Acetone, Xylene)	Standard Application — Weak and Moderate Chemicals	High Durability — Abrasion, Harsh and Extreme
●	●	●	●	●	NR	●	NR	●	NR	●	●	●	NR	NR	NR	N/A	N/A
●	●	●	●	●	●	●	●	●	NR	●	●	●	NR	NR	NR	2300, 2100	3200, 3400
●	●	●	●	●	NR	●	NR	●	NR	●	●	●	NR	NR	NR	2300, 2100	3200, 3400
●	●	●	●	●	NR	●	NR	●	NR	●	●	●	NR	NR	NR	2300, 2100	3200, 3400
●	●	●	●	●	NR	●	●	●	NR	●	●	●	NR	NR	NR	2300, 2100	3200, 3400
●	●	●	●	●	NR	●	●	●	NR	●	●	●	NR	NR	NR	2300, 2100	3200, 3400
●	●	●	●	●	NR	●	●	●	NR	●	●	●	NR	NR	NR	2300, 2100	3200, 3400
●	●	●	●	●	NR	●	●	●	NR	●	●	●	NR	NR	NR	2300, 2100	3200, 3400
●	●	●	●	●	●	●	●	●	NR	NR	●	NR	NR	NR	NR	N/A	N/A
●	●	●	●	●	●	●	●	●	NR	NR	●	NR	NR	NR	NR	N/A	N/A
●	●	●	●	●	NR	NR	NR	●	NR	NR	●	NR	NR	NR	NR	N/A	N/A
●	●	●	●	●	●	●	●	●	NR	NR	●	NR	NR	NR	NR	N/A	N/A
●	●	●	●	●	NR	●	NR	●	NR	●	●	NR	NR	NR	NR	N/A	N/A
●	●	●	●	●	NR	●	NR	●	NR	●	●	NR	NR	NR	NR	N/A	N/A
●	●	●	●	●	NR	●	NR	●	NR	●	●	NR	NR	NR	NR	N/A	N/A

● Recommended ● Test In Your Application NR Not Recommended

Labels – Synthetic

Product Name	TT* DT*	Product Description	Applications	Minimum Application Temperature	Service Temperature
PolyO		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 / 93°C.			
3100T	TT	Flexible synthetic label with a high-tack rubber adhesive which is tear and water resistant. Some mild chemical resistance.	Chemical drum labelling, pallet labelling, small parts labelling, cosmetics and toiletries labelling. Also suitable for hot fill production lines.	5°C	-20°C to 80°C
3100T Removable	TT	Flexible synthetic removable label with a removable acrylic adhesive with long life and weatherability. Provides good removability in variety of substrates.	Warehouse and distribution print and apply, removable tote bin labelling and promotional labels which are required to be cleanly removed. Weather application for indoor and outdoor.	5°C	-20°C to 80°C
PolyE					
3000T Matte	TT	Matte white polyethylene with an acrylic adhesive. Suitable for cold temperatures and both indoor and outdoor labelling. Provides good adhesion for a variety of substrates as well as tear and water resistant properties.	Shelf edge labelling, product and box labelling (medium life), and outdoor labelling for plants, gardens and DIY Products.	10°C	-20°C to 80°C
3100T Matte	TT	Matte white polyethylene with an acrylic adhesive. Suitable for cold temperatures and both indoor and outdoor labelling. Provides good adhesion for a variety of substrates. Complies with European food regulation EU 10/2011, BfR Recommendation XIV and FDA 175.105regulation EU 10/2011, BfR Recommendation XIV and FDA 175.105.	Shelf edge labelling, labelling of products and packaging, work in progress labelling, pallet labelling suitable for recycling with shrink-wrap, cost effective outdoor labelling for plants, garden and DIY products, medium-life product and box labelling.	5°C	-20°C to 80°C
3000T Matte Removable	TT	Matte white polyethylene with a removable acrylic adhesive. Suitable for cold temperatures and both indoor and outdoor labelling. Provides good adhesion for a variety of substrates as well as tear and water resistant properties.	Shelf edge labelling, product and box labelling (medium life), and outdoor labelling for plants, gardens and DIY products.	5°C	-20°C to 80°C
3100T Gloss	TT	Gloss polyethylene label with a permanent acrylic adhesive. Suitable for cold temperatures and both indoor and outdoor labelling. Low cost polyethylene label and provides good flexibility and conformability for curved surfaces. Provides good adhesion for a variety of substrates as well as tear and water resistant properties.	HDPE bottles and cans labelling e.g. toiletries and food packaging. Product and box labelling (medium life) and outdoor labelling for plants, gardens and DIY products.	5°C	-20°C to 80°C
4000T Matte High Tack	TT	Matte polyethylene label with a permanent acrylic adhesive. Suitable for cold temperatures and both indoor and outdoor labelling. Topcoated high density polyethylene label. Very strong adhesive which adheres to wide ranges of surfaces. Good short term resistance.	HDPE drum labelling and rough surfaces. Labelling of oily or moist surfaces and outdoor labelling for plants, garden and DIY surfaces .	0°C	-20°C to 70°C
PolyPro		White 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 / 121°C.			
4000D	DT	Matte thermal polypropylene label with an acrylic adhesive, meets EU 10/2011 FDA 175.105 direct food contact requirements.	Indoor general purpose labelling, tear resistant shelf-edge and warehouse labelling , labelling packaging materials, patient and laboratory samples, short term outdoor labelling.	5°C	-20 to 80°C
4000D Removable	DT	Matte thermal polypropylene label with a removable acrylic adhesive.	Indoor, removable, general-purpose labelling; labelling food containers; shelf labelling.	5°C	-10°C to 80°C
4100D Removable	DT	Matte thermal polypropylene label with a removable acrylic adhesive.	Indoor, removable, general-purpose labelling; labelling food containers; shelf labelling.	-15°C	-30°C to 80°C
Sustainable 4000D-E	DT	White thermal polypropylene label with 30% recycled content and a permanent rubber based adhesive. Complies with the European food directives and legislations, FDA 175.105 and the German recommendations XXI as published by BfR.	Indoor general purpose labelling, tear resistant shelf-edge and warehouse labelling , labelling packaging materials, patient and laboratory samples, short term outdoor labelling.	0°C	-40 to 70°C

*TT Thermal Transfer DT Direct Thermal

Surfaces to be Labeled								Environment		Resistance						Suggested Ribbons	
Corrugate	Paper	Packaging Films	Most Plastics	Metal and Glass	Rough Surfaces	Curved Surfaces	Moist Surfaces	Indoors	Outdoors	Moisture	Abrasion	Chemical — Weak (ie. Window Cleaner)	Chemical — Moderate (ie. Alcohol, Bleach)	Chemical — Harsh (ie. Gasoline, Oil)	Chemical — Extreme (ie. Acetone, Xylene)	Standard Application — Weak and Moderate Chemicals	High Durability — Abrasion, Harsh and Extreme Chemicals
●	●	●	●	●	●	●	●	●	●	●	●	●	NR	NR	NR	3200, 4800	5095
●	●	●	●	●	NR	●	●	●	●	●	●	●	NR	NR	NR	3200, 4800	5095
●	●	●	●	●	NR	●	●	●	●	●	●	NR	NR	NR	NR	3200	4800, 5095
●	●	●	●	●	NR	●	●	●	●	●	●	NR	NR	NR	NR	3200	4800, 5095
●	●	●	●	●	NR	●	●	●	●	●	●	●	NR	NR	NR	3200	4800, 5095
●	●	●	●	●	NR	●	●	●	●	●	●	●	NR	NR	NR	3200	4800, 5095
●	●	●	●	●	●	●	●	●	●	●	●	●	NR	NR	NR	3200	4800, 5095
●	●	●	●	●	●	●	●	●	NR	●	●	NR	NR	NR	NR	N/A	N/A
●	●	●	●	●	●	NR	NR	●	NR	●	●	NR	NR	NR	NR	N/A	N/A
●	●	●	●	●	●	NR	NR	●	NR	●	●	NR	NR	NR	NR	N/A	N/A
●	●	●	●	●	●	●	●	●	NR	●	●	●	NR	NR	NR	N/A	N/A

● Recommended ● Test In Your Application NR Not Recommended

Labels – Synthetic (continued)

Product Name	TT* DT*	Product Description	Applications	Minimum Application Temperature	Service Temperature
PolyPro (continued)		White 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 / 121°C.			
3000T Clear	TT	Clear polypropylene label with a permanent acrylic adhesive. Suitable for cold temperature and both indoor and outdoor labelling. Meets EC 1935/2004, EU 10/2011 and BfR.	Document tracking, chemical drum labelling and promotional labelling. Gloss materials not suitable for fan folds.	5°C	-20°C to 80°C
3000T Gloss	TT	Gloss polypropylene label with a permanent acrylic adhesive. Suitable for cold temperature and both indoor and outdoor labelling. Meets EC 1935/2004, EU 10/2011 and BfR Recommendation XIV and FDA 175.105 indirect food contact requirements.	Chemical drum, pallet labelling, indirect food labelling. Shelf edge labelling. Gloss materials not suitable for fan folds.	5°C	-20°C to 80°C
3100T Gloss	TT	Gloss polypropylene label with a permanent rubber adhesive. Suitable for cold temperature and both indoor and outdoor labelling. Meets EC 1935/2004, EU 10/2011 and BfR Recommendation XIV and FDA 175.105 indirect food contact requirements.	Labelling of most packaging surfaces, durable product labelling, box and shipping labelling, scratch resistant labels, labelling at low temperatures.	0°C	-40°C to 70°C
3000T Gloss High Tack	TT	Gloss polypropylene label with a high-tack permanent rubber adhesive. Meets EC 1935/2004, EU 10/2011 and BfR Recommendation XIV and FDA 175.105 indirect food contact requirements.	Chemical drum, wood labelling; asset labeling; labelling small, rough or irregularly shaped products; hard-to-label surfaces.	-5°C	-40°C to 70°C
3000T Matte High Tack	TT	Matte polypropylene label with a high-tack permanent rubber adhesive. Good adhesion to a wide variety of surfaces	Industrial product labelling, pallet wrap labels, labels to be recycled when attached to other polypropylene substrates.	0°C	-20°C to 50°C
4000T Matte	TT	Matte white polypropylene label with a strong permanent adhesive and wide temperature range performance.	Industrial product labelling, pallet wrap labels, labels to be recycled when attached to other polypropylene substrates.	7°C	-54°C to 120°C
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 2 years outdoors; temperature exposure up to 300°F / 149°C.			
4000T White	TT	Matte white polyester label with a high-performance acrylic adhesive; provides harsh-chemical resistance and ability to work both indoors and outdoors. UL/cUL and CSA compliant.	Component labelling, rating plate labelling, automotive labelling, medical device labelling and autoclave labelling in medical applications.	5°C	-40°C to 150°C
4000T White High-Tack	TT	Matte polyester label with a high-tack permanent rubber adhesive which provides harsh-chemical resistance. UL/cUL and CSA compliant.	Component labelling, rating plate labelling, automotive labelling, medical device labelling and autoclave labelling in medical applications.	5°C	-40°C to 150°C
4000T Silver	TT	Silver matte polyester label with a high-performance acrylic adhesive; provides harsh-chemical resistance and ability to work in both indoors and outdoors. UL/cUL and CSA compliant.	Component labelling, rating plate labelling, automotive labelling, medical device labelling and autoclave labelling in medical applications.	5°C	-40°C to 150°C
4000T Silver High-Tack	TT	Silver matte polyester label with a high-tack permanent rubber adhesive which provides harsh-chemical resistance. UL/cUL and CSA compliant.	Component labelling, rating plate labelling, automotive labelling, medical device labelling and autoclave labelling in medical applications.	5°C	-40°C to 150°C
5000T White	TT	Matte synthetic polyester label with a permanent acrylic adhesive. Provides the most extreme chemical resistance. Able to withstand extreme cold temperatures. UL/cUL and CSA compliant.	Laboratory labelling and slide labelling to withstand chemical exposure. Chemical resistant automotive labels to withstand harsh chemicals. Top-side PCB labelling.	10°C	-40°C to 125°C
5000T Silver	TT	Silver matte synthetic polyester label with a permanent acrylic adhesive. Provides the most extreme chemical resistance. Able to withstand extreme cold temperatures. UL/cUL and CSA compliant.	Laboratory labelling and slide labelling to withstand chemical exposure. Chemical resistant automotive labels to withstand harsh chemicals. Top-side PCB labelling.	10°C	-40°C to 125°C

*TT Thermal Transfer DT Direct Thermal

Surfaces to be Labeled								Environment		Resistance						Suggested Ribbons	
Corrugate	Paper	Packaging Films	Most Plastics	Metal and Glass	Rough Surfaces	Curved Surfaces	Moist Surfaces	Indoors	Outdoors	Moisture	Abrasion	Chemical — Weak (ie. Window Cleaner)	Chemical — Moderate (ie. Alcohol, Bleach)	Chemical — Harsh (ie. Gasoline, Oil)	Chemical — Extreme (ie. Acetone, Xylene)	Standard Application — Weak and Moderate Chemicals	High Durability — Abrasion, Harsh and Extreme Chemicals
●	●	●	●	●	NR	●	●	●	●	●	●	●	NR	NR	NR	4800	5095
●	●	●	●	●	NR	●	●	●	●	●	●	●	NR	NR	NR	4800	5095
●	●	●	●	●	●	●	●	●	●	●	●	●	NR	NR	NR	3300, 3400	5095
●	●	●	●	●	●	●	●	●	●	●	●	●	NR	NR	NR	4800	5095
●	●	●	●	●	●	●	●	●	●	●	●	●	NR	NR	NR	3200, 4800	5095
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	3200, 4800	5095
●	●	●	●	●	●	NR	●	●	●	●	●	●	●	●	●	3200, 4800	5095, 5100
●	●	●	●	●	●	NR	●	●	●	●	●	●	●	●	●	3200, 3400, 4800	5095, 5100
●	●	●	●	●	●	NR	●	●	●	●	●	●	●	●	●	3200, 3400, 4799	5095, 5100
●	●	●	●	●	●	NR	●	●	●	●	●	●	●	●	●	3200, 3400, 4800	5095, 5100
●	●	●	●	●	●	NR	●	●	●	●	●	●	●	●	●	Chem Resist	Image Lock
●	●	●	●	●	●	NR	●	●	●	●	●	●	●	●	●	Chem Resist	Image Lock

● Recommended ● Test In Your Application NR Not Recommended

Labels – Synthetic (continued)

Product Name	TT* DT*	Product Description	Applications	Minimum Application Temperature	Service Temperature
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 / 150°C.			
2500T White	TT	Gloss white polyester label with permanent acrylic adhesive. UL/cUL and CSA compliant.	Asset labelling, automotive labelling, serial plate labelling.	10°C	-40 to 150°C
3000T White	TT	Gloss white polyester label with a high-performance permanent acrylic adhesive to withstand high temperature as well as deep freeze. UL/cUL and CSA compliant.	Top-side PCB labeling; asset labeling; automotive labelling; serial plate labelling.	2°C	-40°C to 150°C
3000T Silver	TT	Gloss silver polyester label with a high-performance permanent acrylic adhesive to withstand high temperature as well as deep freeze. UL/cUL and CSA compliant.	Top-side PCB labeling; asset labeling; automotive labeling; serial plate labeling.	2°C	-40°C to 150°C
3000T Yellow	TT	Gloss yellow polyester label with a high-performance permanent adhesive. Suitable for both indoor and outdoor use.	Hazard warning labelling, asset tracking, product and automotive labelling.	5°C	'-20°C to 120°C
3000T Clear	TT	Gloss clear polyester label with a high-performance adhesive, able to withstand high temperature as well as deep freeze.	Use where no-label look is needed. Labels which are continually scanned. Applications where labels are in contact with moving parts. Labels exposed to acid or alkali solutions.	-4°C	-40°C to 149°C
3000T High-Tack	TT	Gloss white polyester label with a high-tack permanent acrylic adhesive able to withstand high temperature as well as deep freeze. Suitable for both indoor an outdoor use. UL/cUL and CSA compliant .	Labelling of painted components in the automotive and electronic industry. Labelling of hard-to-stick-to surfaces. White goods and serial number labelling.	10°C	-40°C to 150°C
3000T Removable	TT	Gloss white polyester with removable acrylic adhesive.	Work in progress labels which are repeatedly scanned, removable chemically resistant labels.	2°C	-29 to 150°C
Z-Supreme		White, polyimide facestock designed for high-temperature environments up to 500°F / 260°C. Recommended for printed circuit board (PCB) labeling.			
3100T White	TT	Matte polyimide label with a high-temp permanent. acrylic adhesive that provides resistance to harsh environments.	Printed circuit board top- and bottom-side applications; harsh environments; high-temp industrial applications	5°C	-40°C to 350°C (short term)"
4000T White	TT	Gloss polyimide label with a high-temp permanent. acrylic adhesive that provides resistance to harsh environments.	Printed circuit board top- and bottom-side applications; harsh environments; high-temp industrial applications	10°C	-40°C to 537°C (short term)"
4000T White ESD	TT	Gloss polyimide label with a high-temp permanent. acrylic adhesive that provides resistance to harsh environments. Electrostatic safe product in accordance with EIA 625 and EIA 541. Specific chemical resistance for military electronics as tested using Military Standard MIL-STD 202G, Notice 12, Method 215K. UL/cUL and CSA compliant.	Printed circuit board top- and bottom-side applications; harsh environments; high-temp industrial applications.	10°C	-40°C to 537°C (short term)"
4200T Yellow	TT	Gloss yellow polyimide label with a high-temp permanent acrylic adhesive that provides resistance to harsh environments. Complies with International Electrochemical Commission IEC 61249-2-21. Chemical resistance for military electronics as tested using Military Standard MIL-STD 202G, Notice 12, Method 215K. UL/cUL and CSA compliant.	Printed circuit board top- and bottom-side applications, harsh environments; high-temp industrial applications.	20°C	-40 to 537°C (short term)"

*TT Thermal Transfer DT Direct Thermal

Surfaces to be Labeled								Environment		Resistance						Suggested Ribbons	
Corrugate	Paper	Packaging Films	Most Plastics	Metal and Glass	Rough Surfaces	Curved Surfaces	Moist Surfaces	Indoors	Outdoors	Moisture	Abrasion	Chemical — Weak (ie. Window Cleaner)	Chemical — Moderate (ie. Alcohol,	Chemical — Harsh (ie. Gasoline, Oil)	Chemical — Extreme (ie. Acetone, Xylene)	Standard Application — Weak and Moderate Chemicals	High Durability — Abrasion, Harsh and Extreme Chemicals
●	●	●	●	●	NR	NR	NR	●	●	●	●	●	●	●	●	4800	5095, 5100
●	●	●	●	●	●	NR	●	●	●	●	●	●	●	●	NR	4800	5095, 5100
●	●	●	●	●	●	NR	●	●	●	●	●	●	●	●	NR	4800	5095, 5100
●	●	●	●	●	●	NR	●	●	●	●	●	●	●	●	NR	4800	5095, 5100
●	●	●	●	●	●	NR	●	●	●	●	●	●	●	●	NR	4800	5095, 5100
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	NR	4800	5095, 5100
●	●	●	●	●	NR	●	●	●	●	●	●	●	●	●	NR	4800	5095, 5100
NR	NR	NR	●	●	●	●	●	●	●	●	●	●	●	●	●	4800, 5095	5100
NR	NR	NR	●	●	●	●	●	●	●	●	●	●	●	●	●	5095	5100
NR	NR	NR	●	●	●	●	●	●	●	●	●	●	●	●	●	5095	5100
NR	NR	NR	●	●	●	●	●	●	●	●	●	●	●	●	●	5095	5100

● Recommended ● Test In Your Application NR Not Recommended

Labels – Synthetic (continued)

Product Name	TT* DT*	Product Description	Applications	Minimum Application Temperature	Service Temperature
Specialty		White, synthetic labels designed for unique or challenging applications.			
8000D Jewelry	DT	Gloss white 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.	-23°C	-40°C to 49°C
8000D UltraCool	DT	Thermal polypropylene label with a special purpose adhesive which reissts temperatures as low as -80C.	Medical laboratories and specimen labeling, samples subjected to freeze-thaw cycles.	-10°C	-80°C to 50°C
8000T UltraCool	TT	Gloss white polypropylene label with a permanent acrylic adhesive which reissts temperatures as low as -80C.	Medical laboratories and specimen labeling, samples subjected to freeze-thaw cycles	-10°C	-80°C to 80°C
8000T Blood Bag All-Temp	TT	Matte white polypropylene label with permanent acrylic adhesive that can withstand low temperature storage and autoclave sterilisation conditions. Tested to ISO 3826-1 for direct contact with blood bags and ISO 10993-5 cytotoxicity standard.	Blood and blood product labelling.	-20°C	-80°C to 140°C
8000T Blood Bag Deep-Freeze	TT	Matte white polyethylene label with permanent acrylic adhesive suitable for deep freeze applications. Tested to ISO 3826-1 for direct contact with blood bags and ISO 10993-5 cytotoxicity standard.	Blood and blood product labelling.	10°C	-50°C to 80°C
8100T CryoCool	TT	Satin white polyester with permanent high-performance acrylic adhesive designed to withstand cryogenic conditions, liquid nitrogen, dry ice and gamma radiation.	Medical/research laboratory labelling, small-diameter vials and tubes, cold temperature industrial manufacturing, samples subjected to freeze-thaw cycles.	4°C	-196°C to 100°C
8000T Lab Resist	TT	Gloss white polyester with permanent acrylic adhesive deisgn to resist the harshest chemicals and solvents such as Xylene and Acetone. Must be used in conjunction with Zebra's Image Lock™ ribbon.	Laboratory labelling and slide labelling, Patient sample identification.	2°C	-40°C to 150°C
8000T Silver Checkerboard	TT	Gloss silver topcoated polyester with permanent tamper-evident acrylic adhesive which leaves a checkerboard pattern on the surface of the product if the label is removed after application.	Asset labelling where a tamper-proof solution is required, tamper-evident security labels, warranty/ authenticity labels.	10°C	-40°C to 150°C
8000T Void Matte	TT	Gloss silver topcoated polyester with permanent tamper-evident acrylic adhesive which leaves the word "VOID" on the surface of the product if the label is removed after application.	Asset labelling where a tamper-proof solution is required, tamper-evident security labels, warranty/ authenticity labels.	2°C	-40°C to 150°C

*TT Thermal Transfer DT Direct Thermal

Surfaces to be Labeled								Environment		Resistance						Suggested Ribbons	
Corrugate	Paper	Packaging Films	Most Plastics	Metal and Glass	Rough Surfaces	Curved Surfaces	Moist Surfaces	Indoors	Outdoors	Moisture	Abrasion	Chemical — Weak (ie. Window Cleaner)	Chemical — Moderate (ie. Alcohol, Bleach)	Chemical — Harsh (ie. Gasoline, Oil)	Chemical — Extreme (ie. Acetone, Xylene)	Standard Application — Weak and Moderate Chemicals	High Durability — Abrasion, Harsh and Extreme Chemicals
●	●	NR	NR	●	●	●	●	●	NR	●	●	●	●	NR	NR	N/A	N/A
NR	NR	NR	●	●	NR	●	●	●	NR	NR	NR	●	●	NR	NR	N/A	N/A
NR	NR	NR	●	●	NR	●	●	●	NR	NR	●	●	●	NR	NR	5095	5100
NR	NR	●	●	●	NR	●	●	●	NR	●	●	●	●	NR	NR	3200, 3400	4800
NR	NR	●	●	●	NR	●	●	●	NR	●	●	●	●	NR	NR	3200, 3400	4800, 5095
NR	NR	NR	●	●	NR	●	●	●	●	●	●	●	●	●	●	4800	5095
NR	NR	NR	●	●	NR	●	●	●	●	●	●	●	●	●	●	IMAGE LOCK™	IMAGE LOCK™
●	●	●	●	●	●	NR	NR	●	●	●	●	●	NR	NR	NR	4800	5095, 5100
●	●	●	●	●	●	NR	NR	●	●	●	●	●	NR	NR	NR	3200, 3400	4800, 5095

● Recommended ● Test In Your Application NR Not Recommended

Labels – Synthetic (continued)

Product Name	TT* DT*	Product Description	Applications	Minimum Application Temperature	Service Temperature
Specialty		White, synthetic labels designed for unique or challenging applications.			
8000T Z-Destruct Vinyl	TT	Gloss white destructible vinyl with permanent acrylic adhesive which breaks into small pieces if an attempt to remove the label is made.	Serialised data and warranty labels, asset tracking of outdoor utility meters, high-value electronic goods, tamper-evident asset tracking labels, application requiring destructible barcodes	4°C	-40°C to 85°C
8100T Z-Destruct PE	TT	Matte white destructible polyethylene with permanent rubber adhesive which breaks into small pieces if an attempt to remove the label is made	Asset labelling where a tamper-proof solution is required, serialised data and warranty labels, ideal for high-value electronic goods.	2°C	-40°C to 80°C
8000T Tyre Tack	TT	Gloss white polypropylene with permanent aggressive rubber adhesive designed to adhere to rubber tyres where other high-tack adhesives cannot.	Direct labelling onto tyre surface indoors, Direct labelling onto tyre surface outdoors (short term only), Labelling of other very rough and difficult surfaces.	0°C	-20°C to 70°C
8000T Tyre Tack Extra	TT	"Gloss white polypropylene coated on both sides with permanent ultra-aggressive rubber adhesive with increased intial tack and designed to adhere to rubber tyres where other high-tack adhesives cannot.	Direct labelling onto tyre surface indoors, Direct labelling onto tyre surface outdoors (short term only), Labelling of other very rough and difficult surfaces.	10°C	-20°C to 40°C
8000T Ultra High-Tack Matte	TT	Matte white topcoated polyester, Permanent high-tack, high-shear acrylic adhesive offers superior strength and excellent adhesion on a wide variety of smooth and textured surfaces.	Capital asset labelling, labelling of heavy industrial machinery, labelling of textured surfaces, such as wood and concrete surfaces, label applications requiring resistance to oil, alcohol, dirt, blood and water, labelling of painted or bare metal, painted plastics and foam products.	10°C	-40°C to 150°C
8000T 7 Year Vinyl	TT	Gloss white vinyl with permanent acrylic adhesive designed to last up to 7 years in typical central European climate.	Labelling of intermodal units with ILU codes.	0°C	-80°C to 110°C
8000T Z-Endure	TT	Gloss white topcoated acrylic with permanent rubber adhesive offering 10 years outdoor durability when used in conjunction with recommended Zebra printers and ribbons.	Asset labelling, product labelling for long term durability e.g. pipes, utility meters and lamp posts, product identification labels for outdoor tools and equipment, rating labels for security alarms.	10°C	-40°C to 100°C

*TT Thermal Transfer DT Direct Thermal

Surfaces to be Labeled								Environment		Resistance						Suggested Ribbons	
Corrugate	Paper	Packaging Films	Most Plastics	Metal and Glass	Rough Surfaces	Curved Surfaces	Moist Surfaces	Indoors	Outdoors	Moisture	Abrasion	Chemical — Weak (ie. Window Cleaner)	Chemical — Moderate (ie. Alcohol, Bleach)	Chemical — Harsh (ie. Gasoline, Oil)	Chemical — Extreme (ie. Acetone, Xylene)	Standard Application — Weak and Moderate Chemicals	High Durability — Abrasion, Harsh and Extreme Chemicals
●	●	●	●	●	●	●	●	●	●	●	NR	●	NR	NR	NR	4800	5095, 5100
●	●	●	●	●	●	●	●	●	●	●	NR	●	NR	NR	NR	4800	3400, 5095
●	●	●	●	●	●	●	●	●	●	●	●	●	NR	NR	NR	4800	5095
●	●	●	●	●	●	●	●	●	●	●	●	●	NR	NR	NR	4800	5095
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	3200	4800, 5095
NR	NR	NR	●	●	●	●	●	●	●	●	●	●	●	●	●	4800	5095
●	●	●	●	●	●	●	●	●	●	●	●	●	NR	NR	NR	4800	5095, 5100

● Recommended ● Test In Your Application NR Not Recommended

Tags – Paper

Product Name	TT* DT*	Product Description	Applications	Minimum Application Temperature	Service Temperature
Z-Perform		Bright white, smooth paper facestock that provides the optimal balance between performance and price for industrial applications. Recommended for indoor use.			
1000D 110 Tag	DT	Non-topcoated thermal imaging paper, 112 microns thickness.	Retail, shelf edge labelling, packaging inserts, high quality receipts or tickets.	N/A	-5°C to 49°C
1000T 150 Tag	TT	Non-topcoated paper tag, 135 microns thickness.	Designed for identification tags, shop floor work in progress tracking tags/tickets and pallet tags.	N/A	-43°C to 93°C
1000T 190 Tag	TT	Non-topcoated paper tag, 183 microns thickness.	Indoor Cold temperature labelling, identification tags. Tracking tags/tickets and pallet tags.	N/A	-43°C to 93°C
Z-Select		Premium, bright white, ultra-smooth paper facestock specially coated to provide optimal quality. Ideal for high-speed printing applications where print quality is important. Recommended for indoor use.			
2000D 145 Tag	DT	Thermal top-coated paper tag, 145 micron thickness, designed for indoor use with a protective top coat providing good print quality for a range of applications. Not recommended for long term exposure to sunlight or extreme heat.	Shelf edge tags, ID tags, transportation tickets and inventory control and tracking.	N/A	-5°C to 49°C
2000D 190 Tag	DT	Thermal top-coated paper tag, 190 micron thickness designed for indoor use with a protective top coat providing good print quality for a range of applications. Not recommended for long term exposure to sunlight, extreme heat or applications involving extended exposure to moisture or solvents.	Shelf edge tags, ID tags, transportation tickets and inventory control and tracking.	N/A	-5°C to 49°C
2000T 150 Tag	TT	Top-coated paper tag, 145 micron thickness, designed for indoor use with a protective top coat providing good print quality for a range of applications. Not recommended for long term exposure to sunlight or extreme heat.	Indoor cold temperature labelling, visitor identification tags, admission tickets, warehouse and inventory control tags.	N/A	-43°C to 93°C

Tags – Synthetic

Product Name	TT* DT*	Product Description	Applications	Minimum Application Temperature	Service Temperature
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 216 Tag	TT	Polypropylene tag available in 211 microns thickness.	Self-locking tags for greenhouses and nursery use, outdoor storage tags for wire, cable and fabricated parts, visitor passes, tagging of museum artefacts and art objects, swimming pool passes and identification tags.	N/A	-40 to 93°C
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 175 Tag	TT	White gloss topcoated tag, 175 micron thickness. Can withstand temperatures of 150°C long term and up to 200°C short term.	Outdoor storage tags, water immersed tags including hot/boiling immersion, high-temperature work-in-progress tagging in the metal industry.	N/A	-40 to 200°C (Short term)
Specialty		White, synthetic tags designed for unique or challenging applications.			
8000T Extra Tuff 180 Tag	TT	Matte white coated polypropylene tag, 180 micron thickness with excellent tear resistance.	Self-locking tags for horticultural, greenhouse and nursery use, lumber and pallet tags, tagging for steel, timber and fencing, retail labelling in home improvement stores.	N/A	-50 to 93°C
8000T Tuff 190 Tag	TT	Matte white coated polyolefin tag, 178 micron thickness designed specifically for outdoor applications and harsh environmental conditions.	Outdoor storage tags, self-locking tags for horticultural, greenhouse and nursery use, staple-on lumber tags, tagging where full water immersion is required.	N/A	-57 to 93°C
8000T Ultra-Tuff 240 Tag	TT	White matte smooth topcoated polyethylene, 249 micron thickness. Multi-layer, cross laminate structure for excellent tear resistance, will resist tearing even when cut or nicked.	Outdoor storage tags for construction materials, wire, cable and fabricated parts, self-locking tags for horticultural, greenhouse and nursery use, staple-on lumber tags for indoor and outdoor use, suitable for use in place of metal grommets, steel parts tagging.	N/A	-57 to 82°C

*TT Thermal Transfer DT Direct Thermal

Environment		Resistance						Suggested Ribbons	
Indoors	Outdoors	Moisture	Abrasion	Chemical — Weak (ie. Window Cleaner)	Chemical — Moderate (ie. Alcohol, Bleach)	Chemical — Harsh (ie. Gasoline, Oil)	Chemical — Extreme (ie. Acetone, Xylene)	Standard Application — Weak and Moderate Chemicals	High Durability — Abrasion, Harsh and Extreme Chemicals
●	NR	NR	●	NR	NR	NR	NR	N/A	N/A
●	NR	NR	●	NR	NR	NR	NR	2100, 2300	3200
●	NR	NR	●	NR	NR	NR	NR	2100, 2300	3200
●	NR	●	●	●	NR	NR	NR	N/A	N/A
●	NR	●	●	●	NR	NR	NR	N/A	N/A
●	NR	●	●	●	NR	NR	NR	2100, 2300	3200, 3400

Environment		Resistance						Suggested Ribbons	
Indoors	Outdoors	Moisture	Abrasion	Chemical — Weak (ie. Window Cleaner)	Chemical — Moderate (ie. Alcohol, Bleach)	Chemical — Harsh (ie. Gasoline, Oil)	Chemical — Extreme (ie. Acetone, Xylene)	Standard Application — Weak and Moderate Chemicals	High Durability — Abrasion, Harsh and Extreme Chemicals
●	●	●	●	●	●	●	●	3200	4800
●	●	●	●	●	●	●	●	4800	5095, 5100
●	●	●	●	●	NR	NR	NR	3200, 3400	4800
●	●	●	●	●	NR	NR	NR	3200, 3400	4800
●	●	●	●	●	●	●	NR	3200, 3400	4800

● Recommended ● Test In Your Application NR Not Recommended

Receipts – Paper

Product Name	TT* DT*	Product Description	Applications	Thickness (Mil)	Service Temperature
Z-Perform		Bright white, smooth paper facestock that provides the optimal balance between performance and price for industrial applications. Recommended for indoor use.			
1000D 60 Receipt	DT	Non- topcoated direct thermal imaging paper, 60 microns thickness.	Electronic citations for law enforcement, delivery receipts for mobile applications, parking fine printing, retail queue busting receipts, coupon printing, airline boarding passes.	N/A	-5°C to 49°C
1000D 80 Receipt	DT	Non-topcoated direct thermal imaging paper, 80 microns thickness.	Electronic citations for law enforcement, delivery receipts for mobile applications, parking fine printing, retail queue busting receipts, coupon printing, airline boarding passes.	N/A	-5°C to 49°C
Z-Select		Premium, bright white, ultra-smooth paper facestock specially coated to provide optimal quality. Ideal for high-speed printing applications where print quality is important. Recommended for indoor use.			
2000D 60 Receipt	DT	Thermal topcoated paper receipt designed for indoor use with a protective top coat providing good print quality for a range of applications. Not recommended for long term exposure to heat or moisture.	Receipt printing, mobile applications (delivery, point of sale and coupon) and tickets for law enforcement and parking fines .	N/A	-5°C to 49°C
2000D 80 Receipt	DT	Thermal topcoated paper receipt designed for indoor use with a protective top coat providing good print quality for a range of applications. Not recommended for long term exposure to heat or moisture.	Receipt printing, mobile applications (delivery, point of sale and coupons), parking fine printing and map/ direction printing.	N/A	-5°C to 49°C
Specialty		White receipt paper designed for unique or challenging applications. Recommended for indoor use.			
8000D 10 Year Receipt	DT	Paper receipt designed for indoor usage with printed image durability of 10 years. Not recommended for applications with exposure to moisture and solvents.	Receipt printing, mobile applications (delivery, point of sale and coupon), law enforcement tickets/ parking fines.	N/A	-5°C to 49°C

Receipts – Synthetic

8000D Synthetic Receipt	DT	Gloss thermal polypropylene, waterproof and resistant to smearing, abrasion, alcohol, mild cleansers and hand sanitizer gels.	Parking fine/ infringement notices, law enforcement tickets, short term cage tagging, short term outdoor tagging.	N/A	-40°C to 70°C

*TT Thermal Transfer DT Direct Thermal

			Environment		Resistance						Suggested Ribbons	
Archivability**	Topcoated	Sensitivity	Indoors	Outdoors	Moisture	Abrasion	Chemical — Weak (ie. Window Cleaner)	Chemical — Moderate (ie. Alcohol, Bleach)	Chemical — Harsh (ie. Gasoline, Oil)	Chemical — Extreme (ie. Acetone, Xylene)	Standard Application — Weak and Moderate Chemicals	High Durability — Ab=rasion, Harsh and Extreme
5 years	No	Medium	●	NR	NR	●	NR	NR	NR	NR	N/A	N/A
10 years	No	Medium	●	NR	NR	●	NR	NR	NR	NR	N/A	N/A
12 years	Yes	High	●	NR	NR	●	NR	NR	NR	NR	N/A	N/A
12 years	Yes	High	●	NR	NR	●	NR	NR	NR	NR	N/A	N/A
10 years	No	Medium	●	NR	NR	●	NR	NR	NR	NR	N/A	N/A
●	●	High	●	●								

**The thermal image will remain legible for the archival life provided the image is fully developed on the recommended thermal printer and the document is stored with compatible materials under proper storage conditions

● Recommended ● Test In Your Application NR Not Recommended

Wristbands – Synthetic

Product Name	TT* DT*	Product Description	Applications	Closure Type	Service Temperature
Z-Band®		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.			
Direct lite	DT	Suitable for the identification of patients with sensitive skin, this wristband provides a lighter, more comfortable feel on patients' wrists with resistance to weak and some moderate chemicals. Not available in cartridge format.	Patient identification in healthcare facilities.	Adhesive	-40°C to 60°C
Direct	DT	Polypropylene wristband with an adhesive tab for securement; tamper-evident slits, color-coding options; latex free.	Patient identification in healthcare facilities.	Adhesive	-40°C to 60°C
UltraSoft	DT	Soft, flexible polypropylene and vinyl wristband with an adhesive tab for securement and features an antimicrobial coating that protects the wristband from degradation; tamper-evident; color-coding options available; standard or bracelet design; latex free.	Patient identification in healthcare facilities.	Adhesive	-40°C to 60°C
Ultrasoft Xtended stay Wrisband	DT	Soft, flexible polypropylene and vinyl wristband with an adhesive tab for securement and features an antimicrobial coating that protects the wristband from degradation; tamper-evident; color-coding options available; standard or bracelet design; latex free.	Patient identification in healthcare facilities.	Adhesive	-40°C to 60°C
Newborn Soft	DT	Polypropylene wristband delicate enough for fragile skin. Features an adhesive closure; latex free	Patient identification in healthcare facilities of infants with sensitive skin.	Adhesive	-40°C to 60°C
4000	TT	Thermal transfer, white, gloss polyester wristband with a permanent acrylic adhesive; latex free.	Patient identification in healthcare facilities.	Adhesive	-29°C to 149°C
Fusion	DT	Self-laminating polypropylene wristband with adhesive tab for securement; tamper-evident slits; lay flat design enables quick scanning.	Patient identificatioin for long term needs in healthcare facilities.	Adhesive	-40°C to 60°C
Fun	DT	Polypropylene wristband with an adhesive tab for securement. For one-day use and minimal water exposure in the recreation market.	Guest identification, tracking and access control. Cashless point of sale for food and merchandise. Ideal for carnivals, amusement parks, fairs, festivals, theme parks, zoos, aquariums, sporting events, concerts and nightclubs.	Adhesive	-40°C to 60°C
Splash	DT	Polypropylene wristband with an adhesive tab for securement. For multi-day use and excessive water exposure in the recreation market.	Guest identification, tracking and access control. Cashless point of sale for food and merchandise. Ideal for water parks, resorts and cruise lines.	Adhesive	-40°C to 60°C

Wristbands – RFID

Product Name	TT* DT*	Product Description	Applications	Closure Type	RFID Technology Type
Z-Band®		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.			
Direct RFID SR	DT	Durable and disposable direct thermal RFID Classic wristband with BT0600 inlay. Designed for applications where wristband is in close proximity to an RFID reader.	Ideal for positive patient identification – including at the bedside through a blanket or during a surgery through the drape.	Adhesive	UHF
UltraSoft RFID LR	DT	Soft, durable and disposable direct thermal RFID wristband with flag.	Ideal for use when overhead readers or portals are being used to provide best last known location tracking abilities.	Adhesive	UHF

*TT Thermal Transfer DT Direct Thermal

Environment		Resistance						Suggested Ribbons	
Indoors	Outdoors	Moisture	Abrasion	Chemical — Weak (ie. Window Cleaner)	Chemical — Moderate (ie. Alcohol, Bleach)	Chemical — Harsh (ie. Gasoline, Oil)	Chemical — Extreme (ie. Acetone, Xylene)	Standard Application — Weak and Moderate Chemicals	High Durability — Abrasion, Harsh and Extreme Chemicals
●	●	●	●	●	●	NR	NR	N/A	N/A
●	●	●	●	●	●	NR	NR	N/A	N/A
●	●	●	●	●	●	NR	NR	N/A	N/A
●	●	●	●	●	●	NR	NR	N/A	N/A
●	●	●	●	●	●	NR	NR	N/A	N/A
●	●	●	●	●	●	●	NR	5095	5100
●	●	●	●	●	●	NR	NR	N/A	N/A
●	●	●	●	●	●	NR	NR	N/A	N/A
●	●	●	●	●	●	NR	NR	N/A	N/A

Environment		Resistance						Suggested Ribbons	
Indoors	Outdoors	Moisture	Abrasion	Chemical — Weak (ie. Window Cleaner)	Chemical — Moderate (ie. Alcohol, Bleach)	Chemical — Harsh (ie. Gasoline, Oil)	Chemical — Extreme (ie. Acetone, Xylene)	Standard Application — Weak and Moderate Chemicals	High Durability — Abrasion, Harsh and Extreme Chemicals
●	●	●	●	●	●	NR	NR	N/A	N/A
●	●	●	●	●	●	NR	NR	N/A	N/A

● Recommended ● Test In Your Application NR Not Recommended

Maximize Your RFID Solutions with Zebra's RFID Labels and Tags

As the global leader in RFID technologies, Zebra delivers the largest number of in-stock, on-demand RFID printing supplies, featuring the newest generation of RFID chips to support faster tag inventory and longer read ranges.

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