

ZEBRA SYNTHETIC LABELS - DURABILITY

Synthetic labels offer durable, long-lasting print and barcode readability due to their resistance to abrasion, moisture and chemicals.

Material Name	Material Type	DT/TT	Key Features	Spec Sheets	Compatible Ribbon Formulation
PolyPro 3000T	Polypropylene	Thermal Transfer	Zebra's most economical synthetic material. For applications that require 1-2 years outdoors. Some abrasion and weak chemical (i.e. window cleaner) resistance.	<ul style="list-style-type: none"> • PolyPro 3000T Gloss - Permanent Adhesive • PolyPro 3000T Matte - Permanent Adhesive • PolyPro 3000T Matte - High-Tack Adhesive 	<ul style="list-style-type: none"> • 6100 Wax/Resin (Matte Facestock) • 3200 Wax/Resin (Matte Facestock) • 6200 Resin (Gloss and Matte Facestocks)
PolyPro 4000D	Polypropylene	Direct Transfer	Zebra's most economical synthetic material. Provides slightly better print quality than the PolyPro 3000T. For applications that require 1-2 years outdoors. Some abrasion and weak chemical	<ul style="list-style-type: none"> • PolyPro 4000D Matte - All-Temp Adhesive • PolyPro 4000D Matte - Removable Adhesive 	N/A

PolyPro 4000T	Kimdura® Polypropylene	Thermal Transfer	Zebra's most economical synthetic material. The PolyPro 4000T uses a thick, premium polypropylene facestock that offers the best print quality and durability in the family.	<ul style="list-style-type: none"> • PolyPro 4000T Matte Kimdura® – Permanent Adhesive • PolyPro 4000T Matte Kimdura® – High-Tack Adhesive • PolyPro 4000T Matte Kimdura® – Removable Adhesive 	<ul style="list-style-type: none"> • 6100 Wax/Resin • 3200 Wax/Resin
PolyO 3000T	Corona-Treated Polyolefin	Thermal Transfer	Offers high initial tack while also being highly flexible allowing it to easily adhere to curved and rough surfaces.	<ul style="list-style-type: none"> • PolyO 3000T – All-Temp Adhesive 	<ul style="list-style-type: none"> • 6100 Wax/Resin • 3200 Wax/Resin • 6200 Resin
PolyE 4000D	Polyethylene	Direct Thermal	Enables common air-filled polyethylene envelopes to be recycled with no need for label removal	<ul style="list-style-type: none"> • PolyE 4000D - Permanent Adhesive 	NA
PolyO 4000T	Corona-Treated Polyolefin	Thermal Transfer	Offers high initial tack while also being semi flexible allowing it to adhere to some curved and rough surfaces. Slightly thicker material than the 3000T providing slightly	<ul style="list-style-type: none"> • PolyO 4000T – All-Temp Adhesive 	<ul style="list-style-type: none"> • 6200 Resin

			better abrasion resistance.		
Z-Xtreme 2000T	Polyester	Thermal Transfer	Polyester label that offers great print quality while also providing moderate chemical resistance and up to 2 years outdoors.	<ul style="list-style-type: none"> • Z-Xtreme 2000T Matte – High-Performance Permanent Adhesive • Z-Xtreme 2000T Matte – Removable Adhesive 	<ul style="list-style-type: none"> • 6100 Wax/Resin • 3200 Wax/Resin • 5095 Resin • 6200 Resin
Z-Xtreme 2100T Silver	Polyester	Thermal Transfer	Designed for general-purpose applications that require a strong adhesive and excellent print quality.	<ul style="list-style-type: none"> • Z-Xtreme 2100T Silver Matte – Permanent Adhesive 	<ul style="list-style-type: none"> • 4800 Resin
Z-Xtreme 4000T	Polyester	Thermal Transfer	Polyester label that offers great print quality while also providing harsh chemical resistance. Only synthetic offering with a rubber adhesive, making it ideal for plastic surfaces.	<ul style="list-style-type: none"> • Z-Xtreme 4000T Matte – High-Performance Permanent Adhesive • Z-Xtreme 4000T Matte – High-Tack Rubber Adhesive 	<ul style="list-style-type: none"> • 6100 Wax/Resin • 3200 Wax/Resin • 6200 Resin

Z-Xtreme 5000T	Polyester	Thermal Transfer	Polyester label that offers great print quality while also providing extreme chemical resistance. Use this synthetic material for applications that require resistance against the harshest chemicals.	<ul style="list-style-type: none"> • Z-Xtreme 5000T Matte – High-Performance Permanent Adhesive 	<ul style="list-style-type: none"> • Image Lock
Z-Ultimate 2000T	Polyester	Thermal Transfer	Provides outstanding print quality and unparalleled smear and scratch resistance.	<ul style="list-style-type: none"> • Z-Ultimate 2000T Gloss – High-Performance Permanent Adhesive 	<ul style="list-style-type: none"> • 6200 Resin • 5095 Resin • 5100 Resin
Z-Ultimate 2000T Colour Stay	Polyester	Thermal Transfer	Provides outstanding print quality and unparalleled smear and scratch resistance. UV laminate protects colour floodcoat against colour fade in UV light for up to 2 years.	<ul style="list-style-type: none"> • Z-Ultimate 2000T Gloss Colour Stay – High-Performance Permanent Adhesive 	<ul style="list-style-type: none"> • 6200 Resin • 5095 Resin • 5100 Resin
Z-Ultimate 2100T	Polyester	Thermal Transfer	Provides outstanding print quality and unparalleled smear and scratch resistance. Ideal for work-in-process labelling.	<ul style="list-style-type: none"> • Z-Ultimate 2100T – Permanent Adhesive • Z-Ultimate 2100T Clear – Removable Adhesive 	<ul style="list-style-type: none"> • 4800 Resin

Z-Ultimate 3000T	Polyester	Thermal Transfer	Provides outstanding print quality and unparalleled smear and scratch resistance. Available in silver.	<ul style="list-style-type: none"> Z-Ultimate 3000T Gloss – High-Performance Permanent Adhesive 	<ul style="list-style-type: none"> 5095 Resin 5100 Resin
Z-Ultimate 4000T	Polyester	Thermal Transfer	Provides outstanding print quality and unparalleled smear and scratch resistance. Available in silver and clear.	<ul style="list-style-type: none"> Z-Ultimate 4000T Gloss – High-Performance Permanent Adhesive Z-Ultimate 4000T Gloss – High-Tack Adhesive Z-Ultimate 4000T Gloss – Removable Adhesive 	<ul style="list-style-type: none"> 6200 Resin 5095 Resin 5100 Resin
Z-Ultimate 4000T Resist	Polyester	Thermal Transfer	Provides outstanding print quality and unparalleled smear and scratch resistance. Meets automotive wire-harness durability requirements when using noted ribbons.	<ul style="list-style-type: none"> Z-Ultimate 4000T Resist Gloss – High-Performance Permanent Adhesive 	<ul style="list-style-type: none"> 6200 Resin Image Lock
Z-Ultimate 4100T	Polyester	Thermal Transfer	Provides outstanding print quality and unparalleled smear and scratch resistance.	N/A	<ul style="list-style-type: none"> 4800 Resin 5095 Resin

Z-Supreme 2000T	Polyimide	Thermal Transfer	Recommended for applications in high-temperature environments. Can withstand temperatures of up to 500°F (260°C). Available in 2mil with paper or poly liner and 1 mil with paper or poly liner.	<ul style="list-style-type: none"> Z-Supreme 2000T Gloss – High-Temp Permanent Adhesive 	<ul style="list-style-type: none"> 5100 Resin
Z-Supreme 3000T	Polyimide	Thermal Transfer	Recommended for applications in high-temperature environments. Can withstand temperatures of up to 500°F (260°C). Not recommended for processes using lead-free solder.	<ul style="list-style-type: none"> Z-Supreme 3000T Matte – High-Temp Permanent Adhesive 	<ul style="list-style-type: none"> 5100 Resin
Z-Supreme 4000T	Polyimide	Thermal Transfer	Recommended for applications in high-temperature environments. Can withstand temperatures of up to 500°F (260°C). Ideal for use in lead-free applications. Also available in yellow and green.	<ul style="list-style-type: none"> Z-Supreme 4000T Gloss – High-Temp Permanent Adhesive 	<ul style="list-style-type: none"> 5100 Resin
Z-Endure 3000T	Acrylic with reflective glass bead coating	Thermal Transfer	Longest-lasting synthetic material in Zebra's range. Excellent chemical and scratch resistance. Provides outdoor durability for up	<ul style="list-style-type: none"> Z-Endure 3000T – High-Performance Permanent Adhesive 	<ul style="list-style-type: none"> 6200 Resin 5100 Resin

			to 7 years.		
Z-Endure 4000T	Acrylic	Thermal Transfer	Longest-lasting synthetic material in Zebra's range. Excellent chemical and scratch resistance. Provides outdoor durability for up to 10 years.	<ul style="list-style-type: none"> • Z-Endure 4000T – Permanent Adhesive 	<ul style="list-style-type: none"> • 6200 Resin • 5095 Resin • 5100 Resin

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