

THERMAL TRANSFER MEDIA SELECTION AND COMPATIBILITY GUIDE

The best printing solution is achieved when the printer, ribbon and media are matched to the application requirements. All Genuine TSC Printronix Auto ID Supplies have been thoroughly tested and qualified through our printers so that we can offer the “perfect match.” This means that through the optimized combination of your TSC & Printronix Auto ID printer and Genuine Supplies, you will enhance your efficiency, minimize your costs and enjoy a “no worry” printing solution.



Label Material

Thermal Transfer Uncoated- Premium uncoated paper with permanent acrylic adhesive

Thermal Transfer Semi-gloss- Premium semi-gloss paper with permanent acrylic adhesive

Thermal Transfer RFID- Premium coated paper with permanent acrylic adhesive. RFID inlay

Thermal Transfer Tag- Premium coated tagstock

Thermal Transfer Polypropylene- Gloss white & matte white

Thermal Transfer Polyester- Gloss white, matte white and matte chrome

***Many other label materials and adhesives are available.**

***Please see reverse side for additional product details.**

Thermal Transfer Ribbons

8050-SWX – Standard Wax

8300-PWX – Premium Wax

8550-SWR – Standard Wax/Resin

8580-PWR – Premium Wax/Resin

8600-SRE – Standard Resin

8770-PRE – Premium Resin

***Please refer to our formulation-specific datasheets for product details and specifications.**

Application considerations when choosing media

Durability (label material and printed image)

- Expected lifespan of label
- Indoor or outdoor use
- Tear and abrasion resistance
- Resistance to chemicals, oil, solvents
- Resistance to moisture

Surface to be labeled

- Type of surface – plastic, metal, paper, corrugated, wood etc.
- Surface characteristics – smooth, rough, rounded, flat, flexible etc.
- Surface contaminates – wet, oily, dirty etc.

Adhesive requirements

- Permanent, removable or repositionable
- Temperature and environment when label is applied
- Temperature and environment during life of label

MATERIAL	DESCRIPTION	8050-SWX	8300-PWX	8550-SWR	8580-PWR	8600-SRE	8770-PRE
Uncoated	Premium uncoated paper with permanent acrylic adhesive. Typical Applications: • Shipping • General warehouse • Address • AIAG • LOGMARS • Product ID • Hardware parts supply	✓	✓	✓	✓		
Semi-Gloss	Premium semi-gloss paper with permanent acrylic adhesive. Typical Applications: • Shipping • General warehouse • Address • AIAG • LOGMARS • Product ID • Hardware parts supply	✓	✓	✓	✓	✓	
RFID	Pressure-sensitive label with an RFID transponder (inlay) embedded between the label facestock and its release liner. Typical applications: • EPC Class 1 • Gen 2 RFID compliance applications • Pallet and case labels	✓	✓	✓	✓		
Tagstock	Coated paper tagstock. Typical applications: • Retail hangtag • Warehouse bin and pouch inserts • Inventory control • Work in process • General purpose tag	✓	✓	✓	✓		
Polypropylene	Matte & gloss white polypropylene w/ permanent acrylic adhesive. Typical applications: • UL/CSA compliant nameplate labels • Harsh environment • Asset labeling • Shelf labels			✓	✓	✓	✓
Polyester	Matte, gloss & chrome white polyester w/ permanent acrylic adhesive. Typical applications: • UL/CSA compliant nameplate labels • Harsh environment • Laboratory labels • Asset labeling • Automotive labels • Durable goods labeling					✓	✓

The Printronix Auto ID Range of Thermal Transfer Ribbons

8050-SWX – STANDARD WAX

- Widely used for barcode applications. Provides excellent print quality
- Suitable for standard labeling applications
- Compatible with most coated and non-coated paper labels

8300-PWX – PREMIUM WAX

- Resin-enhanced wax
- Best scratch and smudge resistance for a wax ribbon
- Supports high speed printing
- Excellent print quality on all papers and some film materials

8550-SWR – STANDARD WAX/RESIN

- General purpose wax/resin formulation
- Superior print quality on all common papers and films. Our most versatile formulation
- Prints at low temperatures and high speed

8580-PWR – PREMIUM WAX/RESIN

- Designed to print on a wide range of coated papers and films
- Very sharp print quality, enabling ladder and rotated barcode printing simultaneously
- Enhanced abrasion and scratch resistance

8600-SRE – STANDARD RESIN

- Adaptable to a wide range of label materials
- Supports high speed printing
- Very high resistance to solvents and abrasion

8770-PRE – PREMIUM RESIN

- Developed for extreme environment labeling
- Unmatched scratch and solvent resistance
- Maximum durability