

Sony Chemicals Thermal Transfer Ribbon Applications

| TARGET MARKETS | DESCRIPTION | APPLICATIONS | RIBBON | SCCA FORMULATIONS |
|---|---|---|--------------------|--------------------------|
| <i>Warehouse/Distribution</i> | Bar-coded labels are used for automating the shipping, put-away, picking and receiving processes. | Shipping Labels Compliance Labels Put-away Labels Receiving Labels | Wax | TR4085plus |
| | | Tote Labels Shelf Labels Bin Labels Rack Labels Reflective Location Labels | Wax/Resin Resin | TRX55 TRX75 |
| <i>Tire Labels</i> | Labels used in manufacturing, tracking, safety recall, and identifying tires. | Plant Tracking Labels Safety Labels Product ID/Lot Labels Retread Labels Point of Sale Identification | Wax/Resin Resin | TRX55 TRX75 |
| | | Warehouse Labels Shipping Labels | Wax | TR4085plus |
| <i>Durable Goods Manufacturing</i> | Permanent labels needs to be affixed to consumer products to identify them and to show that they are certified by UL/CSA. | Serial Number Plate Labels Product ID Labels Agency UL or CSA Labels Composite Labels | Resin | TRX75 TR5070 |
| | | Work in Process Compliance Shipping Labels | Wax | TR4085plus |
| | | PCB Board Labels | Resin | TRX75 TRX5070 |
| <i>Asset Tracking</i> | Permanent labels applied to capital assets to provide automated inventory by scanning the bar code. | Inventory Tracking Labels Inventory Control Labels | Resin | TRX75 TR4070 |

Sony Chemicals Thermal Transfer Ribbon Applications

| | | | | |
|-------------------------------|--|---|------------------|---------------------|
| <i>Retail</i> | Bar-coded labels and tags are a requirement for the retail industry to receive, track, price, scan at the register and assure accurate inventory levels. | UPC Labels Price Labels Hang Tags Inventory Tags Compliance Labels Return Labels | Wax | TR4085plus |
| | | Jewelry Tags Ring Labels | Resin | TRX75 |
| | | Garment Tags Sew-In Size Tags Sew-In Product Care Tags | Resin | TRX95 |
| | | Tamper Evident Price Labels | Wax Wax/Resin | TR4085plus TRX55 |
| <i>Law Tags</i> | Law labels are typically produced from 70lb Tyvek stock and sewn onto furniture, mattresses, fabric toys, etc. as required by law to show material content. | Furniture Tags Pillow Tags Mattress tags Baby products (high chairs, car seats, swings, soft toys, | Wax Wax/Resin | TR4085plus TRX55 |
| <i>Textile/Garment</i> | Tags and labels that contain price, size, product information, care instructions and fabric content information. | Carpet Labels UPC Labels Compliance Labels Price Labels Hang Tags | Resin Resin | TRX75 TRX95 |
| <i>Shelf Labels</i> | Labels placed on retail shelves used to price and promote products, track product placement and track inventory. Need to resistant to cleaning solutions and image on spot printed film labelstocks. | Unit Price Labels Hang Tags Sale or Promotional Labels Inventory racking | Resin | TR4075 TRX75 |

Sony Chemicals Thermal Transfer Ribbon Applications

| | | | | |
|------------------------------|--|--|--------------------|--------------------------------------|
| <i>Automotive</i> | Over 200 labels are used to produce each new vehicle. | Component Labels Serial Number Plate Labels Lot Codes Manufacturer information Warranty Labels Recall information Agency UL or CSA Labels Composite Labels Parts Tracking Window Stickers Emission Labels Certification Labels Aftermarket Replacement parts | Wax/Resin Resin | TRX55 TRX75 TRX4070 TRX5070 |
| | Used for "just in time" manufacturing | Work in Process Shipping Receiving Parts Identification | Wax/Resin Wax | TRX55 TR4085plus |
| <i>Healthcare</i> | The healthcare industry uses barcodes to track patients, tests, lab work, drug administration, and patient charge items. | Test Tube Vials Wrist Bands Slides Specimen Containers X-Rays Blood Bags/Blood Typing | Wax/Resin Resin | TRX55 TRX75 |
| | | Patient Tracking Patient Charge Labels | Wax | TR4085plus |
| <i>Pharmaceutical</i> | Tracking the manufacture of a drug with date of manufacture including lot codes for product recall and expiration dates. | Product ID Label Inventory Labels | Wax/Resin Resin | TRX55 TRX75 |

Sony Chemicals Thermal Transfer Ribbon Applications

| | | | | |
|-----------------------------|---|--|-------------------------------|--|
| <i>Pharmacy</i> | Mail Order Pharmacies, HMO's, Government, and Drug and Retail Chains use automated thermal transfer equipment for maintenance and phone-in prescriptions. Long-term care facilities and hospitals use unit dose prescriptions for patient/drug match. | Mail Order Prescriptions Unit Dose Packages Blister Packages | Wax Wax/Resin | TR4085plus TRX55 |
| | | Shipping Labels Return Labels | Wax | TR4085plus |
| <i>Flexible Packaging</i> | Printing barcodes directly on the packaging material with date/lot codes, prices and product descriptions to reduce packaging costs. | Coffee Snack Food Plumbing Parts Fasteners Pharmaceutical Automotive Parts Crafts Fresh Produce Medical Supplies Pet Products | Near Edge Wax Wax/Resin | TR4500 TR5500 TR4085plus TR5050 |
| <i>Appliance</i> | Labels used in manufacturing major appliances required for product identification, safety and energy labeling. | Serial Number Plate Labels Agency UL or CSA Labels Composite Labels | Resin | TRX75 TR4070 |
| | | Shipping Labels Compliance Labels Energy Rating Labels | Wax | TR4085plus |
| <i>Horticulture/Nursery</i> | Labels and tags used to track and identify plants and trees from the greenhouse to the retail level, for point-of-sale purchases. | Grower ID Tags UPC Tags Plant Specifications Growing Instructions Greenhouse Tags Self-Locking Nursery | Wax/Resin | TRX55 TR4065 |

Sony Chemicals Thermal Transfer Ribbon Applications

| | | | | |
|-----------------------------|--|--|---------------|------------------|
| <i>Lumber</i> | Tagging lumber from forest harvest, to milling to retail sale. | Wire & Cable Tags Staple-On Retail UPC Tags Lumber Grade, length, dimensions Forest tree tagging Inventory Tags Retain UPC Tags | Wax/ Resin | TRX55 TR4065 |
| <i>Chemical Drum</i> | Government legislation requires that chemical drums be permanently labeled to identify the contents, hazardous characteristics, storage, usage, proper transportation and disposal, and lot code. The labels must be permanent and resistant to weather and chemicals within the drum. | Drum Identification Labels | Resin | TRX75 TRX5070 |