



THERMAL TRANSFER RIBBON SOLUTION



APPLICATION RANGE



RETAIL



TTR - Wax |
TTR - Wax/Resin



CHEMICAL



TTR - Wax/Resin |
TTR-Resin



DURABLE GOODS



TTR - Wax/Resin |
TTR - Resin



FLEXIBLE PACKAGING



TTR - Near-Edge Wax/
Resin



HEALTHCARE



TTR - Wax/Resin |
TTR - Resin



LOGISTICS



TTR - Wax | TTR - Wax/
Resin | TTR - Resin



OUTDOOR



TTR - Wax/Resin |
TTR - Resin



PRODUCE



TTR-Wax | TTR-Wax/Resin |
TTR-Near-Edge Wax/Resin

Thermal Transfer Ribbon

A101

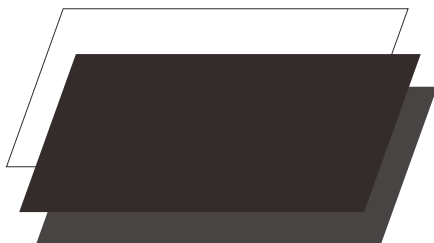
Standard wax Ribbon



Recommended Application



Product Mix



Product description

A101 is suitable to a variety of coated paper labels, clearly presented, high sensitivity

Recommended materials

Coating / uncoated, coated paper and label

Performance characteristics

- 1、 Suitable for printing on various coating labels
- 2、 Clear barcode effect
- 3、 Save the cost of special coatings

Suitable medium

Common coated paper labels and Tags

Thermal Transfer Ribbon

Main Parameter

Standard wax Ribbon

Application:

Common Label Delivery
Warehouse and Receiving Tag Shell
Packing Label Delivery
Address Label Retail Label
Clothing Label



Model	A101
The use of the environment	Relative humidity:5°C-35°C,45%-85%
Transportation environment	-5°C-45°C,20%-85% Relative humidity, and can't more than one month.
Storage environment	Under the conditions of storage, -5°C-40°C,20%-85%, and can't more than one year
Ribbon specification	Basic width (mm) : 40、 50、 60、 70、 80、 90、 110 Basic length (m) : 70、 90、 300、 600
Ribbon side	Carbon
Ribbon axis	1inch、 1/2inch
Print density	> 1.0 (Test method: hydrometer)
Anti-bacterial	NO
Scratch resistance	kd<0.2
Printing ink	Wax
Color	Black (Test method: Visual)
Wax thickness	8.4±0.5μ (Measurement methods: micrometer)
Ink thickness	4.5±0.5μ (Measurement methods: micrometer)
Ink melting point	65°C (149°F) (Measuring method: scanning calorimeter)
Dos and don't	1. If the ribbon is exposed on sunlight and damp conditions will cause damage to the ribbon. 2.OEM Service is welcome.

Thermal Transfer Ribbon

A102

Enhance Wax Ribbon



Recommended applications



Product structure



□ Back coating ■ Ribbon ■ Carbon powder

Product description

Since into the market, Enhancement wax products A102 is famous for special ink formula to eliminate static electricity and is widely used in a series of material on the label, when it comes to curl, no other enhanced wax product can be better on rotating barcode and the durability of the dark image.

Recommended materials

Coating and marking material, synthetic paper, glossy paper, coated paper

Performance characteristics

- 1、Eliminate static
- 2、Suitable for a wide range of label material
- 3、Enhanced scratch resistance
- 4、Excellent print quality on coated paper
- 5、Achieve dark and dense image printing and improve the scan rate

Suitable medium

Coated paper labels and tags, thermal transfer paper, plain paper

Thermal Transfer Ribbon

Main Parameter

Enhance Wax Ribbon

Application:

Common Label Delivery
Warehouse and Receiving Tag Shell
Packing Label Delivery
Address Label Retail Label
Clothing Label



Model A102

The use of the environment	Relative humidity : 5°C-35°C,45%-85%
Transportation environment	-5°C-45°C,20%-85% , Relative humidity, and can't more than one month.
Storage environment	Under the conditions of storage,-5°C-40°C,20%-85% , and can't more than one year
Ribbon specification	Basic width (mm) : 40、 50、 60、 70、 80、 90、 110 Basic length (m) : 70、 90、 300、 600
Ribbon side	Carbon
Ribbon axis	1inch、 1/2inch
Print density	> 1.60 (Test method: hydrometer)
Anti-bacterial	NO
Scratch resistance	kd < 0.2
Printing ink	Enhance Wax
Color	Balck (Test method: Visual)
Total thickness	8.0±0.5μ (Measurement methods: micrometer)
Wax thickness	4.8±0.3μ (Measurement methods: micrometer)
Ink thickness	3.2±0.2μ (Measurement methods: micrometer)
Ink melting point	65°C (129°F) (Measuring method: scanning calorimeter)
Dos and don't	1. If the ribbon is exposed on sunlight and damp conditions will cause damage to the ribbon. 2.OEM Service is welcome.

Thermal Transfer Ribbon

A201

Wax Resin Ribbon



Recommended applications



Product structure



 Back coating  Ribbon  Carbon powder

Product description

A201 is widely used in a variety of labels, high-speed printing (10"/sec), be clearly presented. High sensitivity, friction, scratch resistance performance

Recommended materials

Coating / uncoated, paper and label, synthetic paper, PE, PP, top coated vinyl, polyolefin、Tyvek®、Tyvek brilion®、Valeron®、Teslin®、AlphaMAX®

Performance characteristics

- 1、Suitable for printing all kinds of coating labels
- 2、High speed printing (10IPS) can achieve clear barcode effect
- 3、Save the cost of special coatings
- 4、High resolution printing (400dpi+)

Suitable medium

Coated paper labels and tags (thermal transfer paper, mirror coated paper) polyethylene film (PE) polypropylene film (BOPP) polyester film (PET).

Thermal Transfer Ribbon

Main Parameter

Wax Resin Ribbon

Application:

Common Label Delivery
Warehouse and Receiving Tag Shell
Packing Label Delivery
Address Label Retail Label
Clothing Label

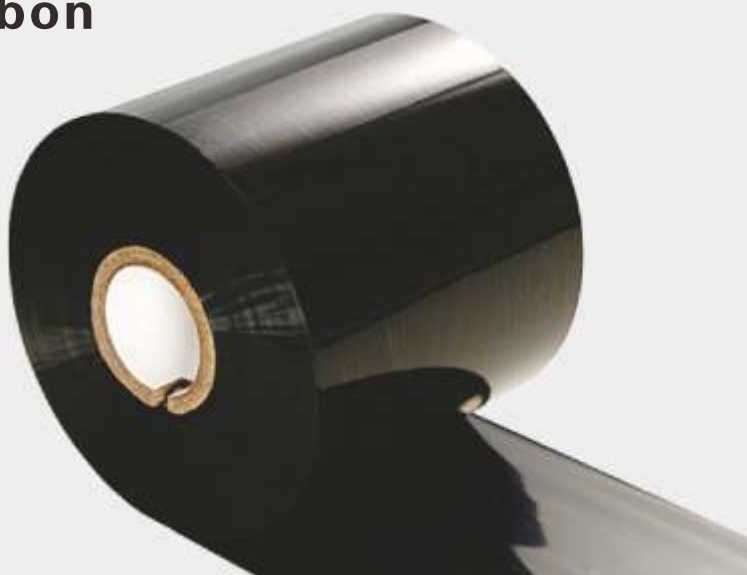


Model	A201
The use of the environment	Relative humidity : 5°C-35°C,45%-85%
Transportation environment	-5°C-45°C,20%-85% , Relative humidity, and can't more than one month.
Storage environment	Under the conditions of storage,-5°C-40°C,and can't more than one year
Ribbon specification	Basic width (mm) : 40、50、60、70、80、90、110 Basic length (m) : 70、90、300、600
Ribbon side	Carbon
Ribbon axis	1inch、1/2inch
Print density	> 1.60 (Test method: hydrometer)
Anti-bacterial	kd < 0.2
Scratch resistance	kd < 0.2
Printing ink	Wax/Resin
Color	Black (Test method: Visual)
Wax/Resin thickness	8.4±0.5μ (Measurement methods: micrometer)
Ink thickness	4.5±0.5μ (Measurement methods: micrometer)
Ink melting point	65°C (149°F) (Measuring method: scanning calorimeter)
Dos and don't	1. If the ribbon is exposed on sunlight and damp conditions will cause damage to the ribbon. 2.OEM Service is welcome.

Thermal Transfer Ribbon

A301

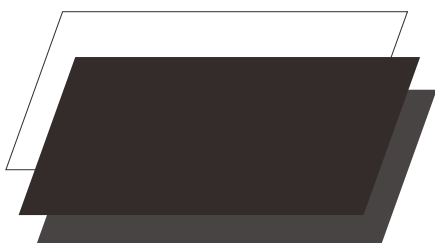
Resin Ribbon



Recommended Application



Product Mix



Product description

ASTA provide the most advanced resin ribbon in the industry, JM35 is widely used in various materials in print, high wear resistance and high refractoriness. ASTA Technology can protect the print head and prolong the life of JM35 is leading in the print head to print the dark image and improve the scanning rate of dense.

Recommended materials

PP, PE, polyolefin, ethylene, polyester

Performance characteristics

- 1、High speed printing with good barcode and variable image
- 2、Resin ribbon has better solvent resistance.
- 3、Suitable for a wide range of material labels
- 4、Superior antistatic properties
- 5、Heat resistance up to 150°C
- 6、Higher resistance to IPA

Suitable medium

Polyethylene film (PE) polypropylene film (BOPP) polyester (PET) and polyimide vinyl wash cloth.

Thermal Transfer Ribbon

Main Parameter

Resin matrix carbon belt

Application:

Common Label Delivery
Warehouse and Receiving Tag Shell
Packing Label Delivery
Address Label Retail Label
Clothing Label

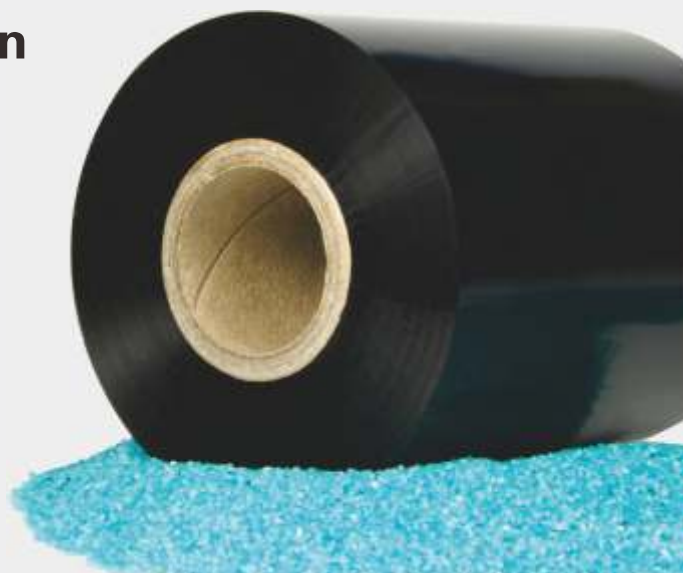


Model	A301
The use of the environment	Relative humidity : 5°C-35°C,45%-85%
Transportation environment	-5°C-45°C,20%-85% , Relative humidity, and can't more than one month.
Storage environment	Under the conditions of storage,-5°C-40°C,20%-85% , and can't more than one year
Ribbon specification	Basic width (mm) : 40、 50、 60、 70、 80、 90、 110 Basic length (m) : 70、 90、 300、 600
Ribbon side	Carbon
Ribbon axis	1inch、 1/2inch
Print density	> 1.80 (Test method: hydrometer)
Anti-bacterial	kd<0.2
Scratch resistance	kd<0.2
Printing ink	Resin
Color	Balck (Test method: Visual)
Total thickness	6.0±0.5μ (Measurement methods: micrometer)
Resin thickness	4.8±0.3μ (Measurement methods: micrometer)
Ink thickness	1.2±0.2μ (Measurement methods: micrometer)
Ink melting point	75°C (165°F) (Measuring method: scanning calorimeter)
Dos and don't	1. If the ribbon is exposed on sunlight and damp conditions will cause damage to the ribbon. 2.OEM Service is welcome.

Thermal Transfer Ribbon

A303

Washing Resin Ribbon



Recommended Application



Product Mix



Product description

Washing resin ribbon with high temperature resistance, resistance to stains, heat resistance, friction resistance and corrosion resistance. Suitable for printing on different materials.

Recommended materials

PET, PI, nylon, polyester (polyester fiber), acetate fiber

Performance characteristics

- 1、 Can be printed on the label (nylon, polyester, acetic acid) and film
- 2、 Super heat resistant, up to 150°C, the image is not blurred when ironing
- 3、 Print images have high resistance to water washing and high resistance to dry cleaning.
- 4、 High sensitivity to ensure excellent print results.
- 5、 Anti static back coating, effectively protect the print head

Suitable medium

Paper, coated paper, synthetic paper

Thermal Transfer Ribbon

Main Parameter

Washing label is special

Application:

Common Label Delivery
Warehouse and Receiving Tag Shell
Packing Label Delivery
Address Label Retail Label
Clothing Label



Model	A303
The use of the environment	Relative humidity : 5°C-35°C,45%-85%
Transportation environment	-5°C-45°C,20%-85% , Relative humidity, and can't more than one month.
Storage environment	Under the conditions of storage,-5°C-40°C,20%-85% , and can't more than one year
Ribbon specification	Basic width(mm): 25、 30、 35、 40、 45、 50、 55、 60 Basic length(m): 70、 90、 300、 600
Ribbon side	Carbon
Ribbon axis	1inch、 1/2inch
Print density	> 1.80 (Test method: hydrometer)
Anti-bacterial	kd<0.2
Scratch resistance	kd<0.2
Printing ink	Resin
Color	Black (Test method: Visual)
Total thickness	6.0±0.5μ (Measurement methods: micrometer)
Resin thickness	4.8±0.3μ (Measurement methods: micrometer)
Ink thickness	1.2±0.2μ (Measurement methods: micrometer)
Ink melting point	80°C (180°F) (Measuring method: scanning calorimeter)
Dos and don't	1. If the ribbon is exposed on sunlight and damp conditions will cause damage to the ribbon. 2.OEM Service is welcome.