Economical Resin Ribbon

TDR320

BARCODING THE WORLD

Todaytec

TDR320, as an economical resin ribbon, can meet demanding requirements in various industries for its superb substrate compatibility (It could be complete transfered on coated paper), relatively strong scratch resistance and exceptionally good water and sunlight resistance.
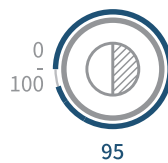
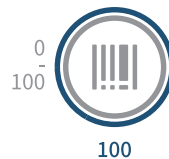Excellent Printing Performance For Coated Paper

Printing Quality

Darkness

0.5 - 2.5

1.96 ODR

Sharpness

0 - 100

95

0° barcode

0 - 100

100

90° barcode

0 - 100

90

Min. printable character

0 - 6

aA

4pt

Graphics

0 - 100

100

Substrate Compatibility

L3- ◎ < L2- ◉ < L1- ◉

	TDR330	TDR320	TDR325
Uncoated paper Writing Paper, Vellum …	◉	◎	
Coated paper Art Paper, Art Printing Paper, High Gloss Paper	◉	◉	◉
Synthetic paper Synthetic Paper …	◉	◉	◉
Film label PP/PET/PE/BOPP/PVC …	◉	◉	◉

Sensitivity

Printing speed

6ips

16   24

400   600   32

800

0   0   1000   40

152.4mm/s
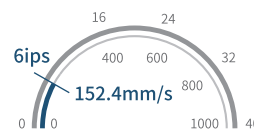
Printing temperature

Medium

Low   High
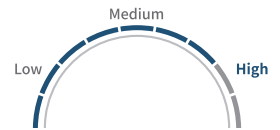
Resistance Test

Physical resistance

Slight exposure begins after approx. **X** cycles with a **680G** weight load.

150

20   1000

30   1000

Alcohol (95%)   Scratch Resistance

Gasoline (92#)

Braking Fluid (Bosch Dot4 Plus)   Smudge Resistance

1000 600 200   200 600 1000 cycles

Water resistance test

The printed label was soaked in water at **100°C** for **2 hours** and then check whether the imprint of the label was significantly faded.

NO

No significantly faded

Low-temperature test

The printed label was placed in a closed cold box at **-17°C** for **20 hours** and then check whether the imprint of the label was significantly fallen off.

NO

No significantly fallen off

Recommended Applications

- Receipt and delivery labels for warehouses
- Logistics
- Pharmaceuticals
- Daily chemicals
- Pre-packaging
- Refrigeration Industry
- Hot working
- Retail label
- Digital & electronics
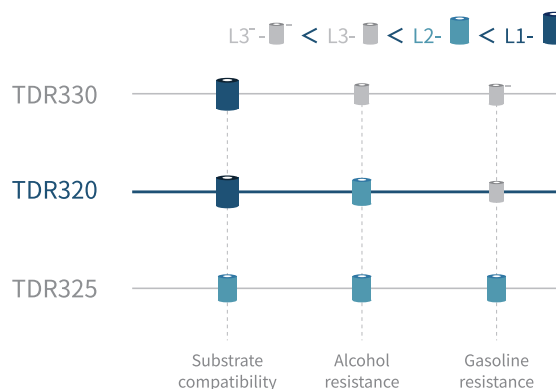- Clothing tags
- Labels for automobile industry
- Chemical industry
- Nursery gardens and flowers
- Production lines
- Wooden products
- Steel & iron manufacturing
- Fixed assets
- Electrical equipment
- Mechanical equipment
- Luggage
- Garment and accessories
- Shoe tongues

Properties

PET film	Ribbon
Thickness: 4.5μm	Thickness: 7.8±0.3μm

Ink	
Color: black Melting point: 98±3℃	

Storage condition	
Temperature: 5~35℃ Humidity: 20~80% Validity period: 12 months	

Product Comparison

L3⁻ -▊⁻ < L3- ▊ < L2- ▊ < L1- ▊

TDR330

TDR320

TDR325

Substrate compatibility   Alcohol resistance   Gasoline resistance

Certifications and Permits

- RoHS — ROHS2.0
- Reach — REACH
- ISO — ISO9001/14001
- MSDS — MSDS
- HALOGEN — HALOGEN

Compatible With

- Zebra
- Honeywell
- Datamax
- Avery
- Intermec
- TSC
- SATO
- Printronix
- other flat-head printings

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