

Enhanced Wax/Resin Ribbon

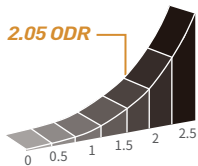
# TDM238

Excellent Scratch Resistance  
Superior Detail  
Superior Substrate Compatibility

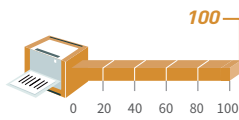
TDM238, as a superior enhanced wax-resin ribbon, offers excellent scratch resistance and image quality comparable to resin ribbons. TDM238 boasts a vast substrate multi-compatibility and works well in adverse environments such as low-temperature storage and high-temperature sterilization.

## Printing Quality

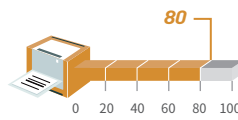
### Darkness



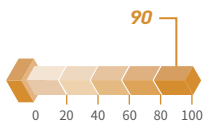
### 0° barcode



### 90° barcode



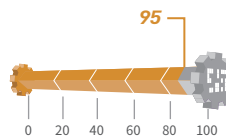
### Sharpness



### Min. printable character



### Graphics



## Substrate Compatibility

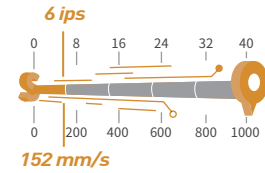
### Recommended substrate grades

L1 - L2 - L3 -

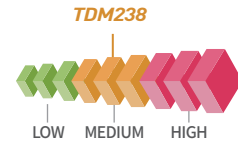
	Uncoated Paper Writing paper, vellum ...	Coated Paper Art paper, art printing paper, high gloss paper ...	Synthetic Paper Synthetic paper	Film labels PP, PET, PE, BOPP, PVC ....
TDM200 >				
TDM230 >				
<b>TDM238 &gt;</b>				
TDM240 >				

## Sensitivity

### Printing speed



### Printing temperature



## Resistance Test

### Resistance test

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

#### Smudge resistance



#### Scratch resistance



#### Alcohol



#### Gasoline



#### Braking fluid



### Water resistance test

With a printed label, soaked in 100°C water for 2 hours, observe its color fading



### Low-temperature test


















With a printed label in a closed chest at -17°C for 20 hours, observe its stripping



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# TDM238

## Recommended Applications

 Receipt and delivery labels for warehouses	 Logistics	 Pharmaceuticals	 Daily chemicals
 Pre-packaging	 Refrigeration Industry	 Hot working	 Retail labels
 Digital & electronics labels	 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

## Certifications And Permits

 ROHS2.0	 REACH	 ISO9001/14001	 MSDS
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**HALOGEN**  
HALOGEN

## Properties

### PET film

Thickness: 4.5μm

### Ribbon

Thickness: 8.5±0.3μm

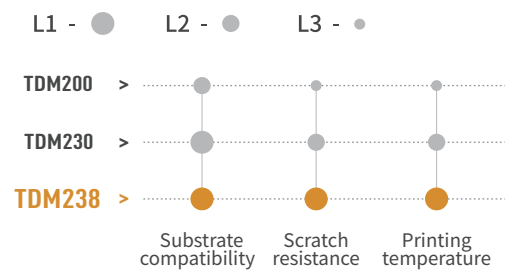
### Ink

Color: Black Melting point: 83±3°C

### Storage condition

Temperature: 5-35°C Humidity: 20-80%  
Validity period: 12 months

## Product Comparison



Todaytec

All product specifications are accessible at our website [www.todaytec.com.cn](http://www.todaytec.com.cn).

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