

TTO/Near-edge  
Wax/Resin Ribbon

# TDM669

BARCODING THE WORLD

TDM669 is a multifunctional TTO ribbon. Besides supporting the high speed printing, it has good printing definition, excellent substrates compatibility and nice scratch resistance. It can be perfectly printed on soft packing bags and it is widely used in packaging production lines.

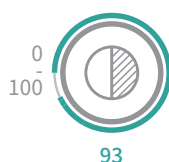
- High-Speed Printing
- Superior Substrate Compatibility
- Superior Printing Performance

## Printing Quality

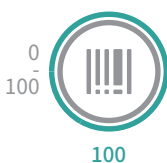
### Darkness



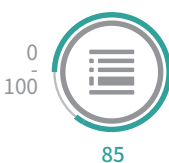
### Sharpness



### 0° barcode



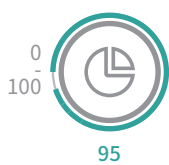
### 90° barcode



### Min. printable character

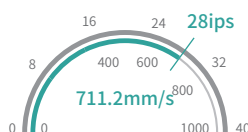


### Graphics



## Sensitivity

### Printing speed



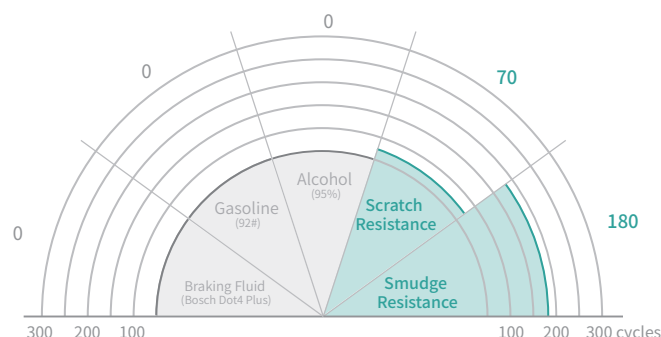
### Printing temperature



## Resistance Test

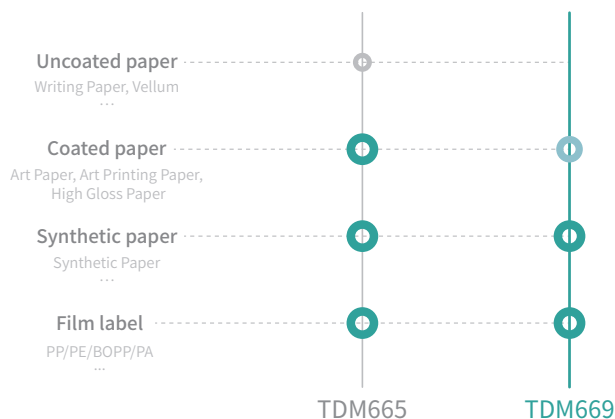
### Physical resistance

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



## Substrate Compatibility

L3- < L2- < L1-



### 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.

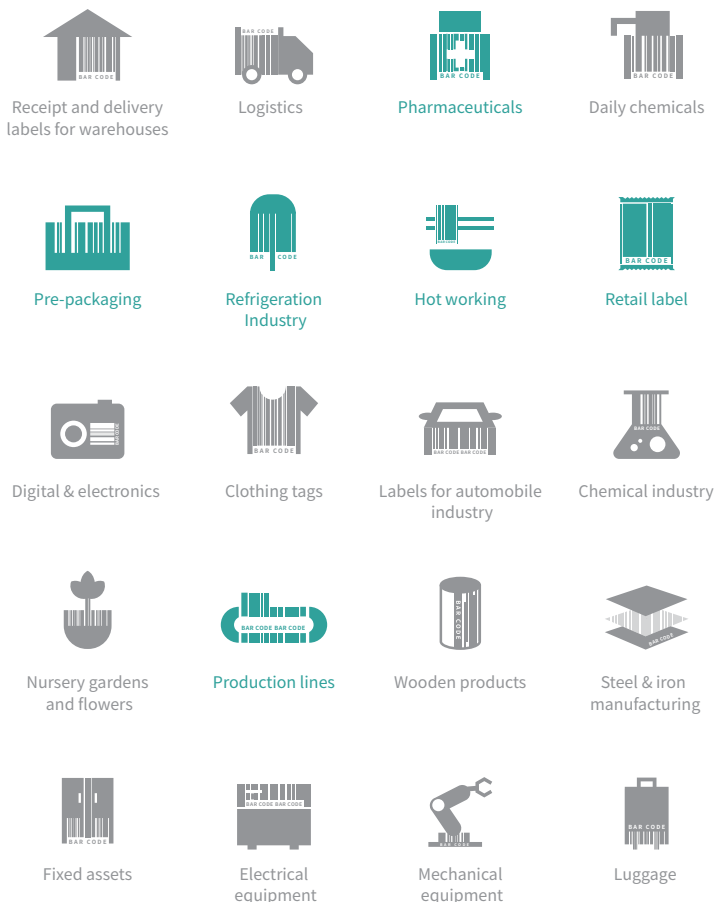


### Low-temperature test

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.



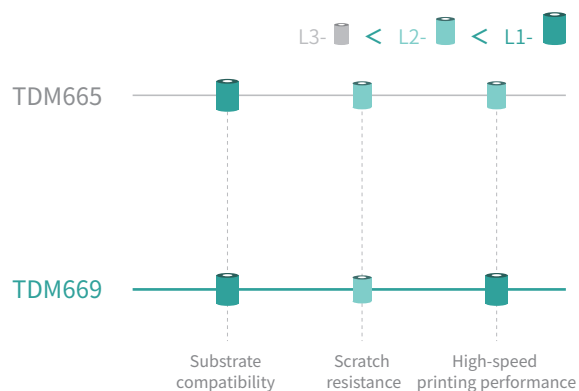
## Recommended Applications



## Properties

PET film	Ribbon
Thickness: $3.8 \pm 0.3 \mu\text{m}$	Thickness: $6.5 \pm 0.3 \mu\text{m}$
Ink	
Color: black    Melting point: $79 \pm 3^\circ\text{C}$	
Storage condition	
Temperature: $5 \sim 35^\circ\text{C}$ Humidity: 20~80% Validity period: 12 months	

## Product Comparison



## Certifications and Permits



## Compatible With

- Zebra
- Datamax
- Intermec
- SATO
- Honeywell
- Avery
- TSC
- Printronix

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