

CX4010 NE

NEAR-EDGE WAX/RESIN RIBBON FOR TTO PRINTING

- THERMAL TRANSFER
- NEAR-EDGE
- TTO ONLINE

PRODUCT OVERVIEW

CX4010 is a high-performance near-edge (TTO) ribbon designed for online coding and high-speed printing in flexible packaging applications. It combines excellent print quality with outstanding substrate compatibility and high-speed performance, making it ideal for demanding production environments.

Engineered for continuous and intermittent TTO printing, CX4010 ensures consistent, high-resolution prints on a wide range of packaging films.

COMPATIBLE MATERIALS

CX4010 is optimized for flexible packaging substrates:

- PP (polypropylene)
- PE (polyethylene)
- BOPP
- PET
- PA (nylon films)
- Coated films and packaging materials

DURABILITY & RESISTANCE

- Good scratch resistance during handling
- Stable print under mechanical stress
- Maintains print quality after exposure to moisture and low temperatures

TYPICAL APPLICATIONS

- Flexible packaging printing (food & FMCG)
- Date coding and batch printing
- Expiry date and lot number marking
- Logistics and packaging labels
- Pharmaceutical packaging
- Retail packaging and labeling
- Production line coding

KEY FEATURES

- Designed for near-edge (TTO) print technology
- Excellent print quality on flexible packaging films
- High-speed printing capability (up to 400 mm/s)
- Strong scratch and smudge resistance
- High sensitivity for efficient energy usage
- Superior adhesion on films and coated materials
- Stable performance in continuous production lines

PRINT PERFORMANCE

- CX4010 delivers reliable and high-quality output for coding and marking:
- High-definition printing for barcodes, dates, and variable data
- Sharp text and excellent edge definition
- Consistent print quality at high speeds
- Suitable for small characters and precise markings
- Speed & Efficiency
- Optimized for high-speed TTO applications
- Printing speed up to 400 mm/s (16 ips)
- Designed for both continuous and intermittent printing
- Ensures stable output at high production rates

TECHNICAL SPECIFICATIONS

Ink type	Wax/Resin (Near-edge)
Ink color	Black
PET film thickness	4.5 um
Total ribbon thickness	approx. 7.0 um
Melting point	approx. 78C
Printing speed	up to 400 mm/s
Printing energy	Medium
Temperature	5C - 35C
Humidity	20% - 80% RH
Shelf life	12 months

COMPLIANCE & CERTIFICATIONS

- RoHS compliant
- REACH compliant
- ISO certified production
- MSDS available
- Halogen-free

