

CX4020 NE

PREMIUM NEAR-EDGE WAX/RESIN RIBBON FOR TTO APPLICATIONS

- THERMAL TRANSFER
- NEAR-EDGE
- PREMIUM TTO

PRODUCT OVERVIEW

CX4020 is a premium near-edge (TTO) wax/resin ribbon engineered for high-speed coding and marking in flexible packaging environments. It delivers excellent print quality, strong durability, and reliable performance across a wide range of packaging films.

Designed for both continuous and intermittent printing, CX4020 ensures sharp, high-contrast prints even at maximum production speeds, making it the ideal solution for modern packaging lines.

COMPATIBLE MATERIALS

- CX4020 is optimized for flexible packaging films:
- PP (polypropylene)
 - PE (polyethylene)
 - PET (polyester)
 - Laminated films
 - Coated packaging materials

DURABILITY & RESISTANCE

- Good abrasion resistance for handling and transport
- Stable print performance on form-fill-seal (FFS) lines
- Moderate resistance to chemicals and environmental exposure
- Maintains print integrity in cold and humid environments

TYPICAL APPLICATIONS

- Food and beverage packaging
- Confectionery and bakery products
- Dairy and frozen food packaging
- Snack and convenience food labeling
- Pharmaceutical packaging
- Medical device labeling
- Pet food and consumer goods packaging

KEY FEATURES

- Premium wax/resin formulation for high-performance TTO printing
- Excellent print quality at all speeds up to 40 IPS (1000 mm/s)
- Strong adhesion on flexible packaging films
- High compatibility across different printer settings
- Consistent dark, high-contrast prints
- Reliable performance in both ambient and cold environments
- Anti-static backcoating for enhanced printhead protection

PRINT PERFORMANCE

- CX4020 delivers superior print results in demanding production environments:
- Deep black print with high optical density (~2.0 RD)
- Excellent sharpness for text, barcodes, and variable data
- High readability even at small font sizes
- Consistent print quality across different substrates
- Speed & Productivity
- Optimized for ultra high-speed TTO printing
- Supports printing speeds up to 1000 mm/s (40 IPS)
- Suitable for both continuous and intermittent applications
- Ensures stable output at maximum production throughput

TECHNICAL SPECIFICATIONS

Ink type	Wax/Resin (Near-edge)
Ink color	Black
PET film thickness	4.5 um
Total ribbon thickness	approx. 6.2 um
Print density	approx. 2.0 RD
Melting point	approx. 57C
Printing speed	up to 1000 mm/s
Printing energy	Low to medium
Temperature	-5C to 40C
Humidity	20% - 85% RH
Shelf life	12 months

COMPLIANCE & CERTIFICATIONS

- RoHS compliant
- REACH compliant (SVHC free)
- FDA compliant (food packaging)
- ISEGA approved
- MSDS available

