

CX3020 RESIN

PREMIUM RESIN RIBBON (HIGH PERFORMANCE)

- THERMAL TRANSFER
- FLAT-HEAD
- PREMIUM RESIN

PRODUCT OVERVIEW

CX3020 is an advanced resin ribbon designed for high-performance labeling in demanding environments. It combines exceptional durability with optimized print sensitivity, enabling reliable printing even at lower energy levels compared to traditional resin ribbons.

Engineered for industrial applications, CX3020 delivers superior resistance to abrasion, chemicals, and heat while maintaining excellent print clarity on synthetic materials.

COMPATIBLE MATERIALS

CX3020 is optimized for demanding substrates:

- PET
- PE
- PP
- BOPP
- PVC
- Synthetic labels
- Coated specialty materials

DURABILITY & RESISTANCE

- Excellent scratch resistance (near top-level performance)
- High smudge resistance during handling
- Strong resistance to chemicals (alcohol, oils, solvents)
- High heat resistance (~190°C)
- Long-term stability in demanding environments

TYPICAL APPLICATIONS

- Industrial and chemical labeling
- Pharmaceutical and laboratory applications
- Automotive and electronics industry
- Flexible packaging
- Identification and asset labels
- Inventory and logistics labeling
- Retail and price labeling with high durability requirements

KEY FEATURES

- Advanced resin formulation for maximum durability
- High scratch and smudge resistance
- Excellent chemical and solvent resistance
- High-definition printing for barcodes and fine details
- Optimized for lower energy consumption compared to standard resin
- Strong adhesion on a wide range of synthetic substrates
- Reliable performance in harsh and industrial environments

PRINT PERFORMANCE

- CX3020 ensures outstanding print quality for demanding applications:
- Deep black, high-contrast print output
- Excellent sharpness for small characters and fine lines
- Reliable barcode readability and scanning performance
- Stable printing across different label materials
- Optimized resin formulation allows lower print energy (closer to wax/resin)
- Suitable for high-speed printing up to ~200 mm/s
- Stable performance across desktop and industrial printers

TECHNICAL SPECIFICATIONS

Ink type	Resin
Ink color	Black
PET film thickness	4.5 um
Total ribbon thickness	approx. 6.9-7.0 um
Ink melting point	approx. 80C
Heat resistance	up to ~190C
Printing energy	Medium (optimized)
Temperature	5C - 35C
Humidity	20% - 80% RH
Shelf life	12 months

COMPLIANCE & CERTIFICATIONS

- RoHS compliant
- REACH compliant
- Halogen-free
- TSCA compliant
- MSDS available



Compatible with:

- Zebra
- SATO
- TSC
- NOVEXX
- cab
- Printronix
- Brother
- Markem-Imaje

www.codipix.com | info@codipix.com

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- REACH
- RoHS
- ISO 9001
- ISEGA