Advanced Ribbon (AR)

Superior printing performance general purpose ribbon

Domino's ADVANCED Ribbon (AR) grade uses innovative technology to provide ultimate printing performance for almost all substrates and applications. For most customers, AR is the only ribbon they will ever need. By combining the best characteristics of both traditional wax-resin and resin ribbons, AR allows codes to be printed with optimum legibility, at high speed across a wide range of applications and substrates.

AR offers better print adhesion, improving rub and scratch resistance by more than 30% in comparison to generic ribbon. In addition to being up to 160% longer than generic supplies.

Total Cost of Ownership (TCO) is reduced with less downtime for changeovers due to the longer ribbon roll. With less energy to transfer ink, AR ribbons extend the print head life.

Advanced Ribbon is available in a range of widths and lengths to suit V20i, V120i, V230i & V320i printers.

Key features

- Excellent adhesion to most substrates
- Longer rolls for less frequent ribbon changes
- Advanced back coating technology helps to dissipate static charge, protecting the printhead and extending its life.
- This ribbon is manufactured to EuPIA GMP standards so supporting your legistative and certification needs

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Product overview

General purpose wax / resin ribbon

Standard roll dimensions for black ribbon		Technical Ribbon information	
Colours available	Black	Ink side:	Inside
Roll width [mm]	22mm, 34mm, 55mm, 130mm	Optical density:	1.8 measured with Macbeth D19C
Roll length [m]	770m, 1600m	Ribbon thickness:	<7µm
Rolls per box	5, 10, 25 (Depending on roll size)	Heat resistance:	110°C (230°F)
		Solvent resistance:	None

Main printing characteristics comparison

Ribbon Type	Print Speed	Rub resistance	Heat resistance	Print energy
AR	●●●●	●●●	●	●●
WR1	●●●●●	●●	●●●	●●
WR1B	●●●	●●●●	●●	●●
WR3	●●●●	●●●	●●●●	●●●
R1	●●	●●●●●	●●●●	●●●●
R1B	●●●●●	●●●	●●●	●●●
R2	●●	●●●●●	●●●●●	●●●●●
R3	●●	●●●●●	●●●●●	●●●●●

(Direct comparison testing based on internal Domino procedure)

Certifications and Approvals

This ribbon complies with CONEG * and Packaging Waste Directive 94/62/E
This ribbon is halogen free according to the IEC definition **

This ribbon meets the requirements of the RoHS 2 Directive 2011/65/EU and Directive (EU) 2015/863

This ribbon does not contain any SVHCs

This ribbon is designed and manufactured according to EuPIA GMP and is suitable for use in direct food contact packaging applications. All components in the ribbon are listed on Annex 10 or Annex 2 of the Swiss Ordinance SR817.023.21.

This ribbon does not contain any substances listed of California Proposition 65

* CONEG is a model toxics in packaging legislation that was developed to reduce the amount of lead, mercury, cadmium, hexavalent chromium, phtalates and PFAS in packaging and packaging components sold or distributed in the United States (Revised in February 2021)

** IEC 61249-21: 900ppm chlorine max, 900ppm bromine max, 1500ppm total halogens max

Printer compatibility

Advanced Ribbon is available in dedicated width / length rolls that were tested with following Domino V-Series printers: V20i, V120i, V230i and V320i

Recommended storage conditions and usage

Temperature:	5 - 35°C (40 - 95°F), Humidity: 20 - 80%

Recommended Usage Date: 24 months

Disposal of used ribbons

All used ribbons should be treated as ordinary industrial waste and disposed of in accordance with local regulations. Cores are made of plastic or cardboard. Ribbons are packed using recycled cardboard and polyethylene lm.

Quality Assurance

Domino always recommends that only Domino ribbons are used in Domino printers. All Domino ribbons are fully tested in Domino printers to assure optimum levels of performance through out the specified operational envelope. All Domino ribbons should be used within their rated Shelf Life.