

Stationary Printer Supplies

Thermal Transfer Ribbons ■ ■ ■



Datamax-O'Neil Printer Supplies offers a full line of ribbons in numerous sizes, colors and ink formulations for a wide range of applications. With wax, wax/resin and resin thermal transfer ribbons available to fit Datamax-O'Neil stationary printers, we have the solution for any requirement among our on-hand stock of many ribbon varieties.



- Optimum compatibility with your Datamax-O'Neil printer, guaranteed
- The Datamax-O'Neil commitment to quality and reliability
- Application-specific products and supplies to meet any need
- Salespeople trained to correctly match the proper media to your specific application
- Reduction in total cost of ownership
- A wide range of products – many ready to ship within 24 hours!



IQWAX Ribbons ■ ■ ■

IQWax is a general purpose ribbon particularly adapted to standard label printing. The ink provides excellent printing quality of standard barcodes, very small text, large characters and logos, at a blackness up to 2.1 (ODR).

The ribbon structure allows printing on all kinds of papers and uncoated papers in particular. This feature makes the ribbon highly recommended to the standard labelling market. Printing is also possible onto various synthetics. The printed image offers heat resistance up to 60°C.

Those characteristics remain at speeds up to 300 mm/s (12 ips) and with 200, 300 and 600 DPI printheads.

IQMID Wax/Resin Ribbons ■ ■ ■

IQMid is a highly sensitive premium wax/resin ribbon designed to give excellent printing performance at low energy. It can be printed on a wide range of substrates with the same level of performance.

The ink provides excellent printing quality for all types of barcodes, very small text, large characters and logos, at a blackness up to 2.1 (ODR). The ribbon structure allows printing on a wide range of receptors, such as uncoated and coated papers and synthetics. The printed image offers a good level of smudge resistance combined with heat resistance up to 100°C.

Those characteristics remain at speeds up to 300 mm/s (12 ips), and with 200, 300 and 600 DPI printheads, making this ribbon perfectly adapted to the labelling market.

IQRES Resin Ribbons ■ ■ ■

IQRes is dedicated to applications requiring a perfect printing quality and excellent mechanical resistances.

The ink provides excellent printing quality of all types of barcodes, very small text, large characters and logos, at a blackness up to 1.7 (ODR). The ribbon structure allows printing on many kinds of synthetics (PVC, PET, PE, PP), on various matte and high gloss coated papers and even on some uncoated papers. The printed image offers an excellent smudge and scratch resistance and good heat resistance, up to 180°C.

Those characteristics remain at speeds up to 250 mm/s (10 ips) and with 200, 300 and 600 DPI printheads, making this ribbon perfectly suited to the labelling market, and allowing its use in the flexible packaging printing market.

Note: Additional ribbon formulations are available. Please contact your Datamax-O'Neil representative for details.



Ribbon Storage*

Our ribbons may be stored for up to 12 months at a temperature of between 5°C and 35°C, and at 20% to 80% humidity.

www.datamax-oneil.com/supplies

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recommended applications ■ ■ ■

| Application Fields | IQWAX | IQMID | IQRES |
|--|-------|-------|-------|
| Automotive | | | ● |
| Conveyor Sorting | ● | ● | |
| Cosmetics | | | ● |
| Flexible Packaging | | ● | ● |
| Flexible Packing for Frozen Applications | | | ● |
| Flexible Packing for Hot Processes | | | ● |
| Food Contact | ● | ● | ● |
| Healthcare | | | ● |
| Inventory | ● | ● | |
| Laboratory | | | ● |
| Livestock | | | ● |
| Outdoor Applications | | ● | ● |
| Pharmaceutical | ● | ● | ● |
| Rating Plates | | | ● |
| Retail Labeling | ● | ● | ● |
| Shipping | ● | ● | |
| Signage and Logos | | ● | ● |
| Tags | ● | | ● |

use of the ribbon / printed ink ■ ■ ■

All Datamax-O'Neil Thermal Transfer ribbons produced are compliant with the European directives they are subjected to and their most recent amendments:

67/548/EC: gives a list of dangerous substances and sets restrictions on their use.

1976/769/ EC: gives a list of CMR (carcinogenic, mutagenic and reprotoxic, or substances toxic to reproduction) substances and sets restrictions on their use.

88/79/EC and **93/18/EC:** classify substances as flammable or dangerous to health.

1994/62/ EC: ink considered as a component of a packaging complies with legislations regarding the heavy metal content in packaging and packaging waste. The maximum amount of heavy metals is set at 100ppm. All Datamax-O'Neil ribbons have been analysed by an independent laboratory at levels of less than 50ppm.

2000/53/ EC (ELV): restricts the use of certain substances from vehicles that have reached the end of their life.

2002/95/ EC (RoHs): restricts the use of dangerous substances in electrical or electronic equipment. Datamax-O'Neil ribbons are compliant with this directive, from the point of view of the use of the ribbon in the printer as well as the printed ink on equipment labels.



2002/96/ EC (WEEE): restricts the use of dangerous substances in electrical and electronic equipment, as well as in their waste products.

2003/11/EC: gives a list of dangerous substances and sets restrictions on their use.

REACH: As a European supplier, Datamax-O'Neil is completely fulfilling REACH requirements. Our ribbons are free from the Substances of Very High Concern (SVHC).

certification ■ ■ ■

Datamax-O'Neil Thermal Transfer ribbons are subjected to a large number of legislations and meet a lot of standards. In anticipation of demand from its partners, Datamax-O'Neil has opted for certification with regard to international standards and legislation. This sheet gives some of these but is not an exhaustive list.

| | | IQWAX | IQMID | IQRES |
|---|---|-------|-------|-------|
|  | Food contact (Europe) European Directive 1935/2004/EC. This directive applied since the end of 2004 imposes that the matters in contact with food should not transfer their components in quantities likely to be dangerous for the health. | ● | ● | ● |
| LFGB | Food contact (Europe) Lebensmittel-und Bedarfsgegenständegesetz. Compliance with the rules of the German law concerning the handling of foodstuffs, tobacco products, cosmetics products and other consumer goods (Foodstuffs and Consumer Goods Act). | ● | ● | ● |
| UL | UL Legibility and durability of the printed label US Certification given by UL laboratory on a label & ribbon combination. It is certifying readability (barcode scanning) and durability (resistances) of a printed label. CSA, Canadian organisation, has the same purpose as UL in terms of printed labels. | | ● | ● |
|  | The printed ink withstands immersion in seawater A British Standard concerning overprinting on a pre-printed label. As for UL, it is certifying a label & ribbon combination. This standard is necessary to certify that goods labelled can be then subsequently shipped by ocean. It certifies that the safety information contained on the printed label is still legible after immersion in seawater for up to three months. | | | ● |

treatment of ribbon packaging / waste ■ ■ ■

All used Datamax-O'Neil ribbons should be treated as ordinary industrial waste and disposed of in conformity with local regulations. Our cores are made of cardboard and we use recycled cardboard and polyethylene film to pack our Thermal Transfer ribbons. All of our ribbons and their associated packaging meet the following European Directives:

1994/62/EC: set acceptable concentration levels for heavy metals in packaging and in packaging waste and also require the recycling of packaging, through energy recovery or material recycling.

2000/532/EC: classify waste and regulate its elimination in accordance with this classification. According to these directives, TT ribbon waste is classified as 20 03 01.

2004/102/EC: the pallets used by Datamax O'Neil to deliver its ribbons are compliant with this directive, which regulates the use of wooden packaging, such as pallets.

to learn more, visit www.datamax-oneil.com/supplies

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