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a **DOVER** company



Thermal transfer ribbons

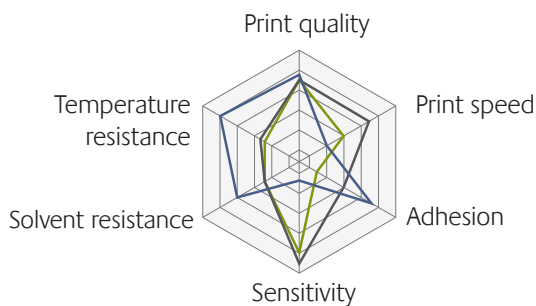
SmartDate X series Ribbons



Making the best of your SmartDate® coders

Choose from three ribbon solutions to cover all your flexible packaging coding needs, whether basic or complex while guaranteeing you the best quality code, more production uptime and best-in-class Markem-Imaje service.

All Markem-Imaje ribbons are designed, developed and tested with our **SmartDate®** coders to offer you the best quality on the market.



Product features

SmartDate Xpert Ribbons



SmartDate® Xpert Ribbons are designed for your most demanding applications that require high levels of resistance to solvents, oil, and heat.

SmartDate Xtra Ribbons



The **SmartDate®** Xtra Ribbons raise the standards for thermal transfer coding. They offer a high level of versatility to code on most of your flexible packaging while ensuring durable codes from the production line until customer purchase.

SmartDate Xceed Ribbons



SmartDate® Xceed Ribbons are the most cost-effective ribbons to secure your code, ensure readability, and make the most of your SmartDate coders without compromising on quality.

- SmartDate® Xpert
- SmartDate® Xtra
- SmartDate® Xceed

SmartDate® X Series Ribbon Specifications






SmartDate® coder compatibility chart

		SmartDate® Xceed			SmartDate® Xtra				SmartDate® Xpert		
		3650, 3651*	3410, 3411*	3410, 3411**	7810, 7811**	3520, 3521*	3530	3750	3910, 3911*, 4910, 4911**, 6910, 6911**	3910	3910
		Black	White	Colors	Metallic white	Black	Black	Black	Black	White	Colors
SmartDate® X40, X60, X45, X65 Width (mm): 22 to 55	Length (m)	900	650	800	800	1100	900	900	800	650	600
SmartDate® X60-128, X65-128 Width (mm): 90 to 130	Length (m)	600	600	600	600	100, 500, 600, 900	600	600	600	450	450
SmartDate® X30 Width (mm): 22 to 33	Length (m)	500, 600, 650 (3651)	500 (3411)	-	-	550, 700 (3521)	-	-	550 (3911)	-	-
8018 Width (mm): 22 to 33	Length (m)	500 (3651)	300 (3411)	400 (3411)	400 (7811)	550 (3521)	-	-	400 (3911, 4911, 6911)	-	-

* Only available for SmartDate® X30 and 8018

** Only available for 8018

Ribbon disposal

Component	 Re-usable	 Recyclable	 Incinerable	 Common Industrial Waste
TT Film	-	-	✓	✓
Plastic core	✓ as take-up core	✓ with same type of plastics 	✓	✓
Roll packaging film	-	✓ with same type of plastics	✓	✓
Roll label	-	-	✓	✓
Cardboard box	✓	✓ with cardboard	✓	✓
Box label	-	-	✓	✓
Overpacking box	✓	✓ with cardboard	✓	✓
Pallet	✓	✓	✓	✓

Certifications***

- Food contact: 1935/2004/EC and FDA.
- Heavy metals: 2011/65/EC (RoHS).
- REACH: Ribbons are free from the Substances of Very High Concern (SVHC).
- California Proposition 65.
- Contact us for all other regulations linked to product compliance with toxicity, waste treatment, banned components, packaging, etc.

*** depending on grades

Storage and use

- Storage: 5-35 °C (40-95 °F), 20-80% humidity rate.
- No shelf life in normal recommended storage conditions.
- Conditions of use:
 - Do not open with a blade.
 - Do not exert pressure on ribbon roll.
 - Before use, we recommend storing the ribbon at average temperature (20 °C) for 24 hours.



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