

XTRA DURABLE ■ ■ ■

From the time you produce until your product reaches the shelf, the code will remain legible, including 1D and 2D barcodes.

25%* MORE RESISTANT DURING PRODUCTION

Whether your production process and application is in a dry, humid, hot or cold environment, the code will adhere and withstand harsh environmental conditions.

25%* MORE RESISTANT DURING TRANSPORTATION

While your products tend to shift and suffer from friction during transport, the code on your product will remain perfectly legible.

XTRA CONVENIENT ■ ■ ■

ONE ribbon grade for your flexible packaging.

REDUCED COSTS

One ribbon grade will reduce your inventory and logistics costs.

HIGH QUALITY CODING THAT WILL ENHANCE YOUR PACKAGING DESIGN

Text, logos and high-density graphics.

REDUCED ERRORS

One ribbon grade for only one setup.



XTRA PRODUCTIVITY ■ ■ ■

SmartDate Xtra Ribbons have been designed to help you be more productive and reduce TCO** by optimizing costs while making the best of your SmartDate coders.

HIGH SPEED CODING WITHOUT COMPROMISING ON LEGIBILITY

Thinner ribbon properties optimize energy use and allow for faster production rates.

LESS PRODUCTION DOWNTIME

50-83%*** added roll length with better printing properties versus market standard ribbons. Fewer changes mean longer production run.

LOWER MAINTENANCE COSTS

Printheads last longer since the ribbon requires less energy to print.

MARKEM-IMAJE CERTIFIED

Make the best of your SmartDate coder and benefit from all product warranties.

100% COMPLIANT

Fit for even the most stringent health and food regulations.

REDUCED COSTS, LESS WASTE

More prints on a longer roll means reduced TCO.

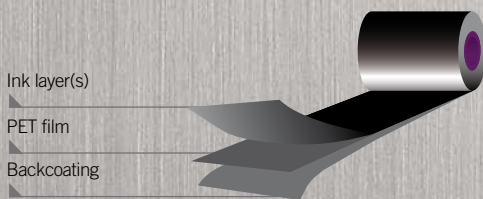
A LONG TERM CHOICE

Multipurpose properties make it the right choice for future packaging needs.

* Compared to other competitive standard ribbons.
TCO: Total Cost of Ownership. * 1100 m length for X40/X60 coders and 900 m length for the X60-128 coder versus 600 m market standard.

RIBBON SPECIFICATIONS

- ▶ Ribbon length up to 1100 m.
A variety of ribbons widths for all machine variants.
- ▶ Backcoating:
Silicon based.
Friction coefficient: $K_d < 0.2$.
- ▶ PET film:
Thickness: $4 \mu\text{m}$.
Tearing resistance: $> 220 \text{ N/mm}^2$ (MD).
- ▶ Ink:
Wax/Resin.
Melting point: $65 \text{ }^\circ\text{C}$
(Manufacturer procedure).
- ▶ Ribbon:
Thickness (black): $< 7 \mu\text{m}$.
The ribbon is anti static build-up treated.



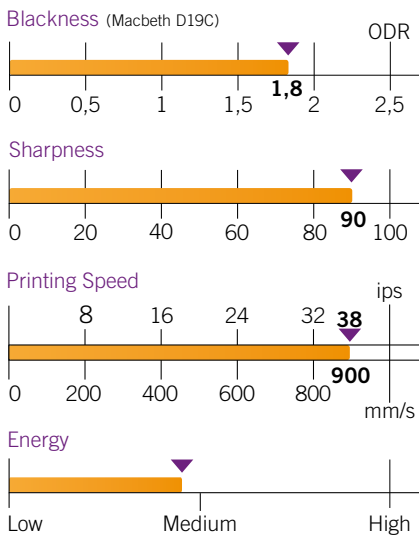
CERTIFICATIONS

- ▶ 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.
 - ▶ Halogen-free.
- Contact us for all other regulations linked to product compliance with toxicity, waste treatment, banned components, packaging, etc.

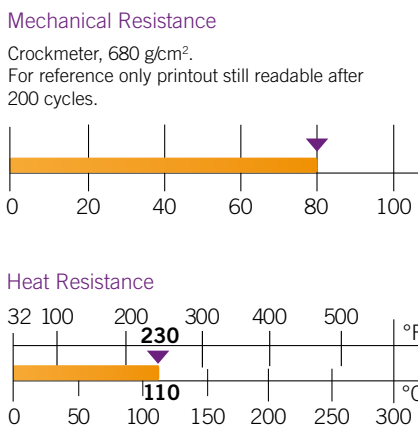
STORAGE AND USE

- ▶ Storage: $5\text{-}35 \text{ }^\circ\text{C}$ ($40\text{-}95 \text{ }^\circ\text{F}$), 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 ($20 \text{ }^\circ\text{C}$) for 24 h.

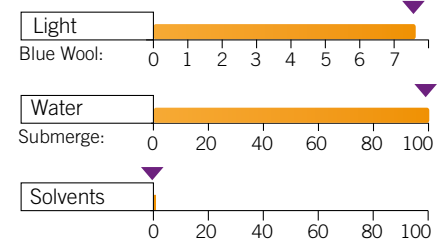
PRINTING



RESISTANCE



Other Resistances



	Width	Length
For SmartDate X40 / X60	$\leq 55\text{mm}$	1100m
	$> 55 \text{ mm}$	900m

For legacy printers see family datasheet.

We reserve the right to amend the design and/or specifications of our products without notice.

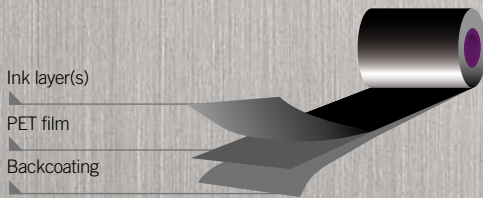
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RIBBON SPECIFICATIONS

- ▶ Ribbon length up to 800 m.
A variety of ribbons widths for all machine variants.
- ▶ Backcoating:
Silicon based.
Friction coefficient: $K_d < 0.2$.
- ▶ PET film:
Thickness: 4,5 μm .
Tearing resistance: $> 220 \text{ N/mm}^2$ (MD).
- ▶ Ink:
Wax/Resin.
Melting point: 85 °C
(Manufacturer procedure).
- ▶ Ribbon:
Thickness: $< 8,5 \mu\text{m}$.
The ribbon is anti static build-up treated.



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).
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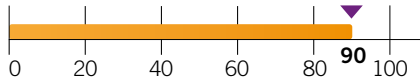
STORAGE AND USE

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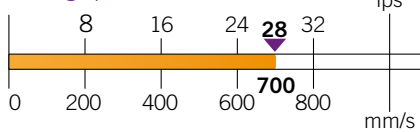
PRINTING

Pantone®
877 C

Sharpness



Printing Speed



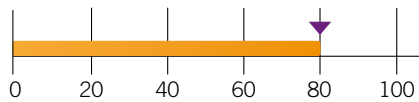
Energy



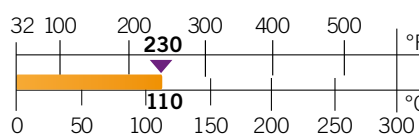
RESISTANCE

Mechanical Resistance

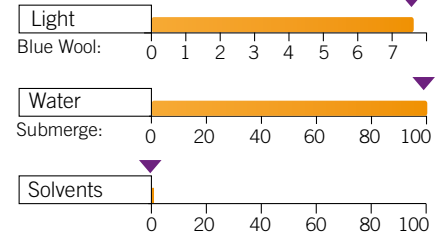
Crockmeter, 680 g/cm².
For reference only printout still readable after 200 cycles.



Heat Resistance



Other Resistances



	Width	Length
For SmartDate X40 / X60	≤ 55mm	800m
	> 55 mm	600m

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