THERMAL TRANSFER RIBBONS

3520 - High performance ribbon for general purpose applications, up to 1100 m length. The SmartDate Xtra Ribbons 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.

Xtra durable

■ Highly legible

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.



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

Optimize costs

SmartDate Xtra Ribbons have been designed to help you be more productive and reduce TCO** by optimizing costs.

High speed coding without compromising on legibility

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.

Reduced costs, less waste***

More prints on a longer roll means reduced TCO.

■ 100% compliant

Fit for even the most stringent health and food regulations.







*Compared to other competitive standard ribbons.
TCO: Total Cost of Ownership. * with 3520 grade, 1100 m length for X45/X65 coders and 900 m length for the X65-128 coder versus 600 m market standard.

SmartDate® Xtra 3520 Ribbon - Specifications

Ribbon specification

Ideal for general purpose applications.

Ribbon length up to 1100 m (depending on colors). A variety of ribbons widths for all machine variants.

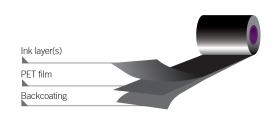
Backcoating: Silicon based. Friction coefficient: Kd < 0.2.

PET film: Thickness: 4 µm. Tearing resistance: > 220 N/mm2 (MD).

Ink: Wax/Resin.

Melting point: 65°C (Manufacturer procedure).

Ribbon: Thickness (black): < 7 µm. The ribbon is anti static build-up treated.



Certifications

Food contact: 1935/2004/EC and FDA (depending on colors).

Heavy metals: 2011/65/EC (RoHS).

REACH: Ribbons are free from the Substances of Very High Concern (SVHC).

California Proposition 65.

Halogen-free (depending on colours).

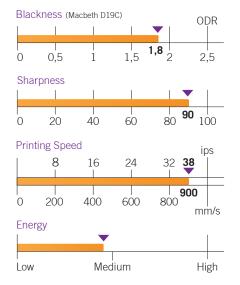
Contact us for all other regulations linked to product compliance with toxicity, waste treatment, banned components, packaging, etc.

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 24h.

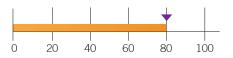
PRINTING



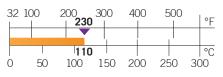
RESISTANCE

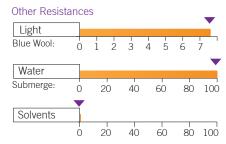
Mechanical Resistance

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



Heat Resistance





	Width	Length
3521 For SmartDate X30	20mm	
	22mm	700m
	25mm	
	33 mm	550m 700m
3520 For SmartDate X40 / X45 X60 / X65	≤ 55mm	1100m
	> 55 mm	600m

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

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