

Card Printer Ribbon Selection Guide

	Product Description	Printer Support	Technology	Cards
Ribbons				
Monochrome	Monochrome ribbons available in 8 different colors.	P310C/F, P400, P420, P500, P520, P600	Thermal Transfer	10*Mil - 44 Mil 30 Mil w/ P500 10* Mil - 60 Mil w/P310, P420
6 Panel (YMCKOK)	Used to print full color with overlay on one side and black on the other side.	P400, P420, P500**, P520**, P600	Dye Sublimation Thermal Transfer	10*Mil - 44 Mil 30 Mil w/ P500
5 Panel (YMCKO)	Used for printing full color cards.	P310C, P400, P420, P500**, P520**, P600	Dye Sublimation Thermal Transfer	10*Mil - 44 Mil 10* Mil - 60 Mil w/P310, P420
4 Panel (YMCK)	Used for full color printing before the overlamine is applied.	P500, P520	Dye Sublimation Thermal Transfer	30 Mil
2 Panel (K dye O)	Used for printing photographs or images that require grayscale (shades of black).	P310C, P400, P420, P500**, P520**, P600	Dye Sublimation	10*Mil - 44 Mil 30 Mil w/ P500 10* Mil - 60 Mil w/P310, P420
2 Panel (K resin O)	Used for bar code printing or any application requiring true black.	P310C, P400, P420, P500**, P520**, P600	Thermal Transfer	10*Mil - 44 Mil 30 Mil w/ P500 10* Mil - 60 Mil w/P310, P420
5 Panel (YMCKK)	Used for printing full color on front & black resin on back before the lamination is applied.	P500, P520	Dye Sublimation Thermal Transfer	30 Mil
3 Panel (YMC)	Used for printing full color with P500 Overlamine or with P600 with KO on station 2.	P500, P520, P600	Dye Sublimation	10*Mil - 44 Mil 30 Mil w/ P500
Overlay Varnishes				
Clear	3-4 microns thick. Provides extra protection from UV damage and scratching.	P310C/F, P400, P420, P600	Thermal Transfer	10*Mil - 44 Mil 10* Mil - 60 Mil w/P310, P420
Genuine Secure Hologram	Hologram "Genuine" from one angle and "Secure" from another.	P310C/F, P400, P420, P600	Thermal Transfer	10*Mil - 44 Mil 10* Mil - 60 Mil w/P310, P420
Pcards Hologram	Hologram image is of plastic cards fanned into a circle.	P310C/F, P400, P420, P600	Thermal Transfer	10*Mil - 44 Mil 10* Mil - 60 Mil w/P310, P420
Pcards Hologram (laminating station)	Hologram image is of plastic cards fanned into a circle.	P500, P520	Hot Roll Laminator	10* Mil - 44 Mil
P500/P520 Overlamine Patches (for cards that need to last >2 years)				
Clear	1 mil & 0.6 mil patch for highly durable cards.	P500, P520	Hot Roll Laminator	30 Mil
Pcards Hologram	1 mil & 0.6 mil patch material with a hologram image that is plastic cards fanned into a circle.	P500, P520	Hot Roll Laminator	30 Mil
Pcards Gold Secure	1 mil patch material with a gold seal. The highly visible gold seal is the cards fanned into a circle.	P500, P520	Hot Roll Laminator	30 Mil
*10 Mil cards are not recommended for full color card printing. Good for small pictures, logos, color text. O-panel is not used with the P500/P520 Overlamine. 30 mil = 0.76 mm, 10 mil = 0.25 mm				

Ribbon Shelf Life Information

Storage

Avoid storing ribbons in the following places:

- Exposure to direct sunlight
- High temperatures and high relative humidity
- Near heat source
- Near the organized solvent and the diazo copy machine

Usage

- Avoid touching the printing surface of ribbons as it may cause blotchy printing
- Avoid any contamination during the loading of ribbons, as contamination can cause a print void

Package Assurance

Ribbons stored following these guidelines will maintain their properties within allowance. Assurance for an extended period of time is valued by an accelerated examination. A ribbon stored at room temperature is regarded as reference.

- Ribbons shall be individually packed in sealed pouches
- Pouches shall be put into a box

Ribbon Environmental Requirements

TrueColours™ Monochrome Resin Ribbons					
Part Number	Description	Storage Time	Storage T°C	Humidity	Light
800015-101	Black – 1000 images	1 year	+5 to +35°C	< 80 %	N/A
800015-102	Red – 1000 images	1 year	+5 to +35°C	< 80 %	N/A
800015-103	Green – 1000 images	1 year	+5 to +35°C	< 80 %	N/A
800015-104	Blue – 1000 images	1 year	+5 to +35°C	< 80 %	N/A
800015-105	Yellow – 1000 images	1 year	+5 to +35°C	< 80 %	N/A
800015-106	Gold – 1000 images	2 years	+5 to +30°C	None	N/A
800015-107	Silver – 1000 images	2 years	+5 to +30°C	None	N/A
800015-109	White – 1000 images	1 year	+5 to +35°C	25 to 80%	N/A
800015-185	Scratch-Off Gray – 1000 images	Unknown	+0 to +40°C	Unknown	Dark Place
800015-301	Black – 1500 images	1 year	+5 to +35°C	< 80 %	N/A
800015-302	Red – 1500 images	1 year	+5 to +35°C	< 80 %	N/A
800015-303	Green – 1500 images	1 year	+5 to +35°C	< 80 %	N/A
800015-304	Blue – 1500 images	1 year	+5 to +35°C	< 80 %	N/A
800015-305	Yellow – 1500 images	1 year	+5 to +35°C	< 80 %	N/A
800015-306	Gold – 1500 images	2 years	+5 to +30°C	None	N/A
800015-307	Silver – 1500 images	2 years	+5 to +30°C	None	N/A
800015-309	White – 1500 images	1 year	+5 to +35°C	25 to 80%	N/A

Ribbon Environmental Requirements

TrueColours™ Printing Ribbons					
Part Number	Description	Storage Time	Storage T°C	Humidity	Light
800015-148 800015-348	6 Panel Color Ribbon YMCKOK	1 year	< 25°C	35 to 65%	Dark Place
800015-140 800015-340	5 Panel Color Ribbon YMCKO	1 year	< 25°C	35 to 65%	Dark Place
800015-180 800015-380	5 Panel Color Ribbon YMCKK	1 year	< 25°C	35 to 65%	Dark Place
800015-145 800015-345	4 Panel Color Ribbon YMCK	1 year	< 25°C	35 to 65%	Dark Place
800015-170 800015-370	3 Panel Color Ribbon YMC	1 year	< 25°C	35 to 65%	Dark Place
800015-150 800015-350	2 Panel Black Ribbon Kdye + O	1 year	< 25°C	35 to 65%	Dark Place
800015-160 800015-360	2 Panel Resin Ribbon KResin + O	1 year	< 25°C	35 to 65%	Dark Place

TrueSecure Overlay Varnishes					
Part Number	Description	Storage Time	Storage T°C	Humidity	Light
800015-120	Genuine Secure Hologram 350 cards	3 years	+21° to 26°C	30 to 50%	N/A
800015-121	Pcard Hologram 350 cards	3 years	+21° to 26°C	30 to 50%	N/A
800015-122	Clear 350 cards	3 years	+21° to 26°C	30 to 50%	N/A
800015-125	Pcard Hologram for P500/P520 350 cards	3 years	+21° to 26°C	30 to 50%	N/A
800015-131	Clear for P500/P520 350 cards	3 years	+21° to 26°C	30 to 50%	N/A

Ribbon Environmental Requirements

TrueSecure - 1 mil P500/P520 Laminate Patches					
Part Number	Description	Storage Time	Storage T°C	Humidity	Light
800015-012	Clear with coverage for Mag Stripe Cards 100 cards	18 months	20°C to 25°C	45%	N/A
800015-013	Clear with coverage for Smart Cards 100 cards	18 months	20°C to 25°C	45%	N/A
800015-014	Clear with full coverage 100 cards	18 months	20°C to 25°C	45%	N/A
800015-015	Hologram Pcard Image 100 cards	18 months	20°C to 25°C	45%	N/A
800015-017	Advantage Seal Pcard patch 90 cards	18 months	20°C to 25°C	45%	N/A
800015-031	Clear Mixed (Full & Mag Stripe) 100 patches (50 dual sided cards)	18 months	20°C to 25°C	45%	N/A

TrueSecure - 0.6 mil P500/P520 Laminate Patches					
Part Number	Description	Storage Time	Storage T°C	Humidity	Light
800015-135	Clear with full coverage 175 cards	1 year	+5° to 25°C	10 to 50%	N/A
800015-136	Clear with coverage for Smart cards 175 cards	1 year	+5° to 25°C	10 to 50%	N/A
800015-137	Clear with coverage for Mag Stripe Cards 175 cards	1 year	+5° to 25°C	10 to 50%	N/A
800015-138	Hologram Pcard Image 170 cards	1 year	+5° to 25°C	10 to 50%	N/A