XSYS

Print solid. Stay flexible.

FlatTopDot

nyloflex®

ITP 60

Performance & Versatility for flexible packaging, labels & board.

Be brilliant.

SUPERIOR PRINT QUALITY AND EFFICIENCY

- **High durometer flexo** plate designed for excellent print quality.
- **Print the finest stable highlights -** down to 0.4% at 60 L/cm*.
- **Maximum color gamut** achievable thanks to fine highlights and high solid ink density.
- **Highest quality achieved** in flexible packaging in combination with screening technologies.
- **Minimize waste by combining** flexible packaging and label jobs on one plate.
- **Reduce cost, save time –** no additional equipment or consumables required, fits in your existing digital plate making workflow.
- **Solvent & Thermal Plate** making compatible.
- **Less press downtime –** no ink fill in thanks to patented Clean Plate technology.
- **Longer durability thanks** to less plate swelling on press.
- **Up to 20% reduction** in ink consumption in combiantion with woodpecker surface screening.

RELIABLE PRODUCTIVITY AND DURABILITY

- **Long run life,** durability and stability during printing, especially under high press speed conditions

Be brilliant.

nyloflex®

ITP 60

Smooth, hard duromenter FTD plate. Versatile usable for all kind of flexible packaging & narrow web appliations.

APPLICATIONS

- Flexible packaging.
- Tag and labels.
- Paper&Board.

BRILLIANT PACKAGING WITH OUTSTANDING PRINT RESULTS

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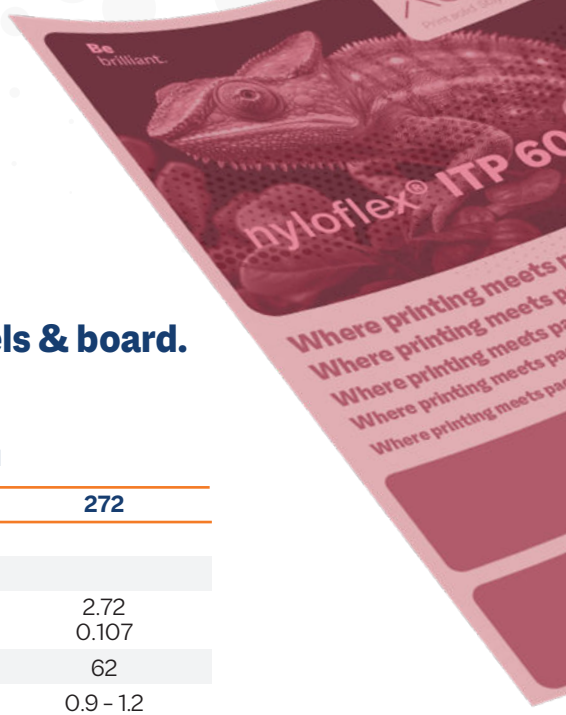
ITP 60 Digital

Performance & Versatility for flexible packaging, labels & board.



	nyloflex® ITP-60 Digital			
Technical characteristics	**114**	**170**	**254**	**272**
Base material	Polyester Film			
Colour of raw plate	Purple			
Total thickness[1] (mm) (inch)	1.14 0.045	1.70 0.067	2.54 0.100	2.72 0.107
Plate hardness (micro Shore A)	78	71	62	62
Recommended relief depth (mm)	0.5 – 0.7	0.6 – 0.9	0.9 – 1.2	0.9 – 1.2
Tonal range (%) at screen ruling (L/cm)	1 – 99 80	1 – 99 80	1 – 99 80	1 – 99 80
Fine line width (down to µm)	50	50	50	50
Isolated dot diameter (down to µm)	100	100	100	100

Processing parameters[2]				
Back exposure (s)	15 – 30	20 – 75	60 – 90	60 – 90
Main exposure (min)	8 – 10	8 – 10	8 – 10	8 – 10
LED exposure setting	Use manufacturer's recommended settings for nyloflex® ITP-60			
Washout speed (mm/min)	200-250	180-220	160-180	120-160
Thermal Processing	Use manufacturer's recommended settings for nyloflex® ITP-60			
Drying time at 60 °C | 140 °F (h)	1.5	2.0	2.0	2.5
Post exposure (UV-A) (min)	5	5	5	5
Light finishing UV-C (min)[3]	1 – 5	1 – 5	1 – 5	1 – 5

Processing information

Suitable equipment nyloflex® ITP-60 Digital plates may be exposed using any nyloflex® exposure system and all similar devices and can be used with all laser systems suitable for imaging flexo printing plates. nyloflex® ITP-60 Digital plates can be processed in either solvent or LAVA® thermal processing systems.

Printing inks Suitable for all UV[4], water based and solvent based printing inks[4] (ethyl acetate content preferably below 15%, ketone content preferably below 5%).

Processing information A detailed description of the imaging, exposure and finishing steps, as well as detailed information about handling and storing, can be found in the nyloflex® User Guide.

Certification XSYS Photopolymer Products are manufacturing and distributed from Morristown, TN Production site, which is certified according to international standards for quality management (DIN EN ISO 9001:2015), and environmental management (DIN EN ISO14001:2015).

1) Standard thicknesses currently available – subject to change 2) All processing parameters depend on, among other things, the processing equipment, lamp age and the type of washout solvent. A minimum exposure intensity of ≥ 17 mW/cm² is recommended. The above mentioned processing times were established under optimum conditions in our technical center. The standard test file with 149lpi was imaged at 4000DPI using a ThermoFlexX imager, 20 mW/cm² bank exposure, using nylosolv® A / SOLVIT® washout solvent and nyloflex® and ThermoFlexX Catena plate processing equipment. Under other conditions the processing times can differ from these; therefore, the above mentioned values are only to be used as a guide. 3) Depending on longevity of the tubes. 4) Suitability with UV inks is dependant on the ink type and temperature – these factors could affect the performance of the plate and consistency of the print.

Please contact us for additional information.
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08-2025

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