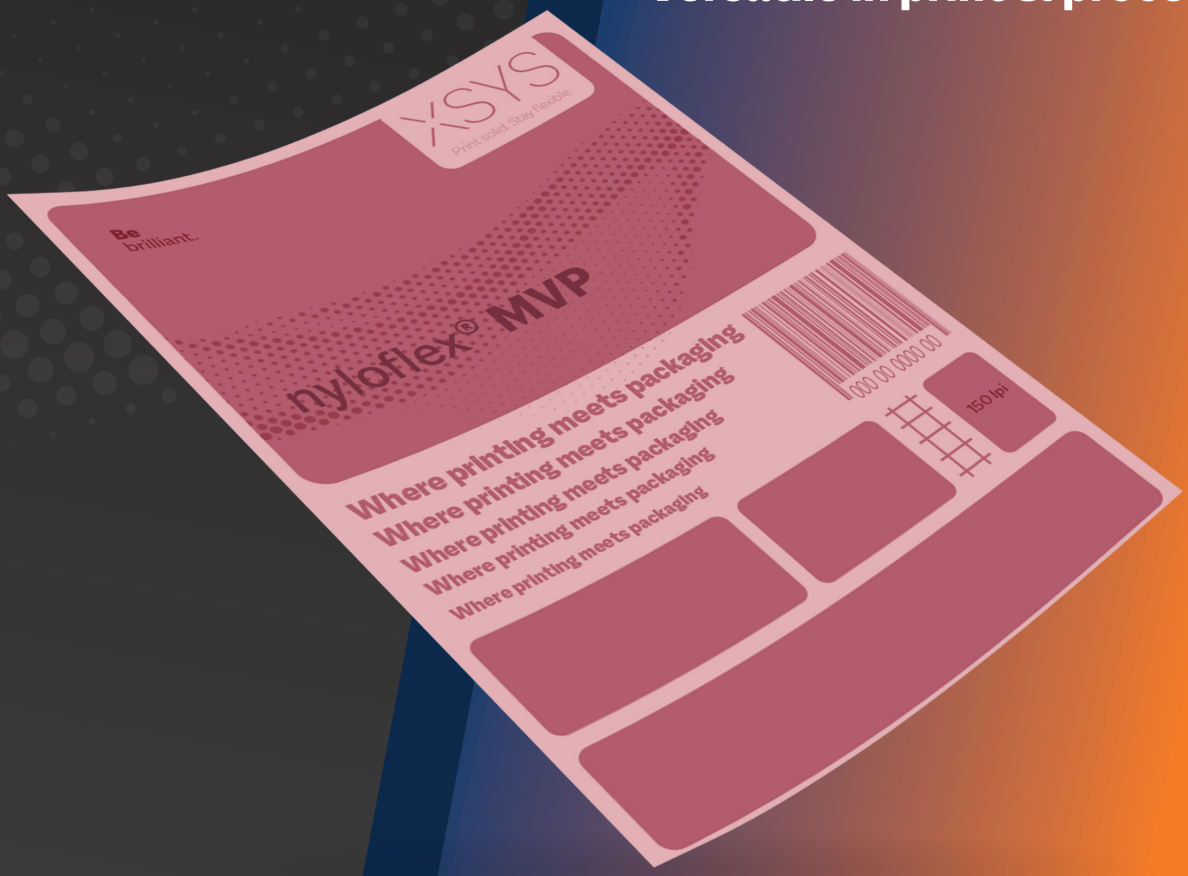
XSYS

Print solid. Stay flexible.

nyloflex®

MVP

Versatile in print & processing



Be brilliant.

SUPERIOR PRINT QUALITY AND EFFICIENCY

- **Developed for the perfect balance** between excellent ink lay-down and highlight performance
- **Minimize waste** by combining flexible packaging and label jobs on one plate.
- **Longer durability** thanks to less plate swelling on press.

nyloflex®

MVP

- Durable plate with medium hardness and high resolution.
- Solvent or thermal processing.
- Works with a wide variety of substrates and inks.
- High resilience for clean running.
- Excellent drape characteristics, making it well suited for all applications including small diameter print cylinders.

APPLICATIONS

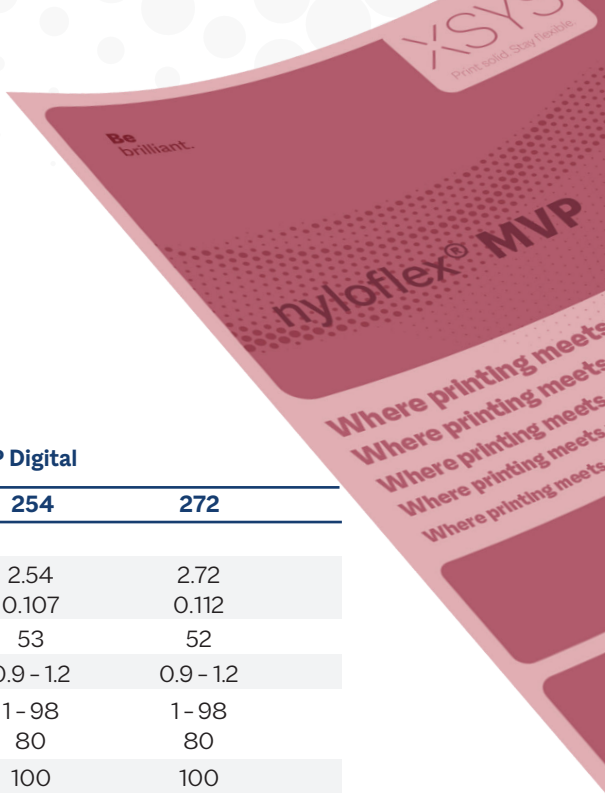
- Flexible packaging.
- Narrow web.
- Paper&Board.
- Sacks, Multiwall.

LET YOUR BRAND SHINE RIGHT ON ALL KIND OF SUBSTRATES

Be brilliant.

nyloflex®
MVP Digital

Versatile in print & processing



	nyloflex® MVP Digital			
Technical characteristics	**114**	**170**	**254**	**272**
Colour of raw plate	Purple			
Total thickness (mm)[1]	1.14 0.045	1.70 0.067	2.54 0.107	2.72 0.112
Plate hardness (micro Shore A)	69	59	53	52
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 – 98 80	1 – 98 80	1 – 98 80	1 – 98 80
Fine line width (down to µm)	75	75	100	100
Isolated dot diameter (down to µm)	125	125	175	175

Processing parameters[2]				
Back exposure (s)	90 – 120	90 – 120	110 – 140	130 – 160
Main exposure (min)	10 – 12	10 – 12	10 – 12	10 – 12
LED exposure setting	Use manufacturer's recommended settings for nyloflex® MVP			
Washout speed (mm/min)	200-250	180-220	160-180	140 - 160
Thermal Processing	Use manufacturer's recommended settings for nyloflex® MVP			
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]	4 - 8	4 - 8	4 - 8	4 - 8

Processing information

Suitable equipment nyloflex® MVP 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® MVP Digital plates can be processed in either solvent or LAVA® thermal processing systems.

Printing inks Suitable for all UV, 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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