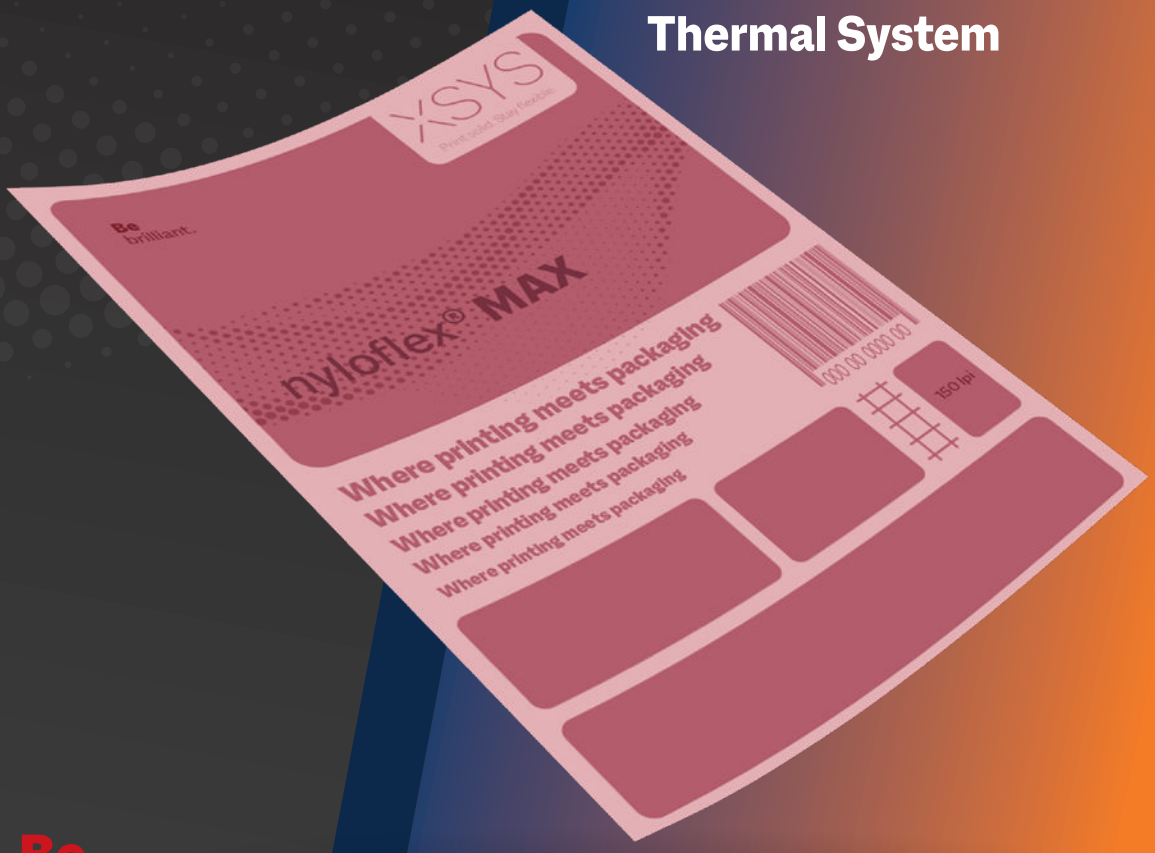
XSYS

Print solid. Stay flexible.

nyloflex®

MAX

MAXimum Print Quality Processed in Solvent or Thermal System



Be brilliant.

SUPERIOR PRINT QUALITY AND EFFICIENCY

- **High durometer flexo plate designed** for excellent print quality.
- **Minimize waste by combining flexible** packaging and label jobs on one plate.
- **Longer durability thanks** to less plate swelling on press.

nyloflex®
MAX

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

APPLICATIONS

- Flexible packaging.
- Tag and labels.
- Paper&Board.
- Sacks, Multiwall.

Be
brilliant.

BRILLIANT PACKAGING WITH OUTSTANDING PRINT RESULTS

nyloflex®

MAX Digital

MAXimum Print Quality Processed in Solvent or Thermal System

	nyloflex® MAX Digital			
Technical characteristics	**114**	**170**	**272**	**284**
Colour of raw plate		Purple		
Total thickness (mm)[1]	1.14 0.045	1.70 0.067	2.72 0.107	2.84 0.112
Plate hardness (micro Shore A)	78	71	63	63
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)	60 – 90	75 – 100	150 – 180	150 – 180
Main exposure (min)	10 – 12	10 – 12	10 – 12	10 – 12
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® MAX 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® MAX 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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