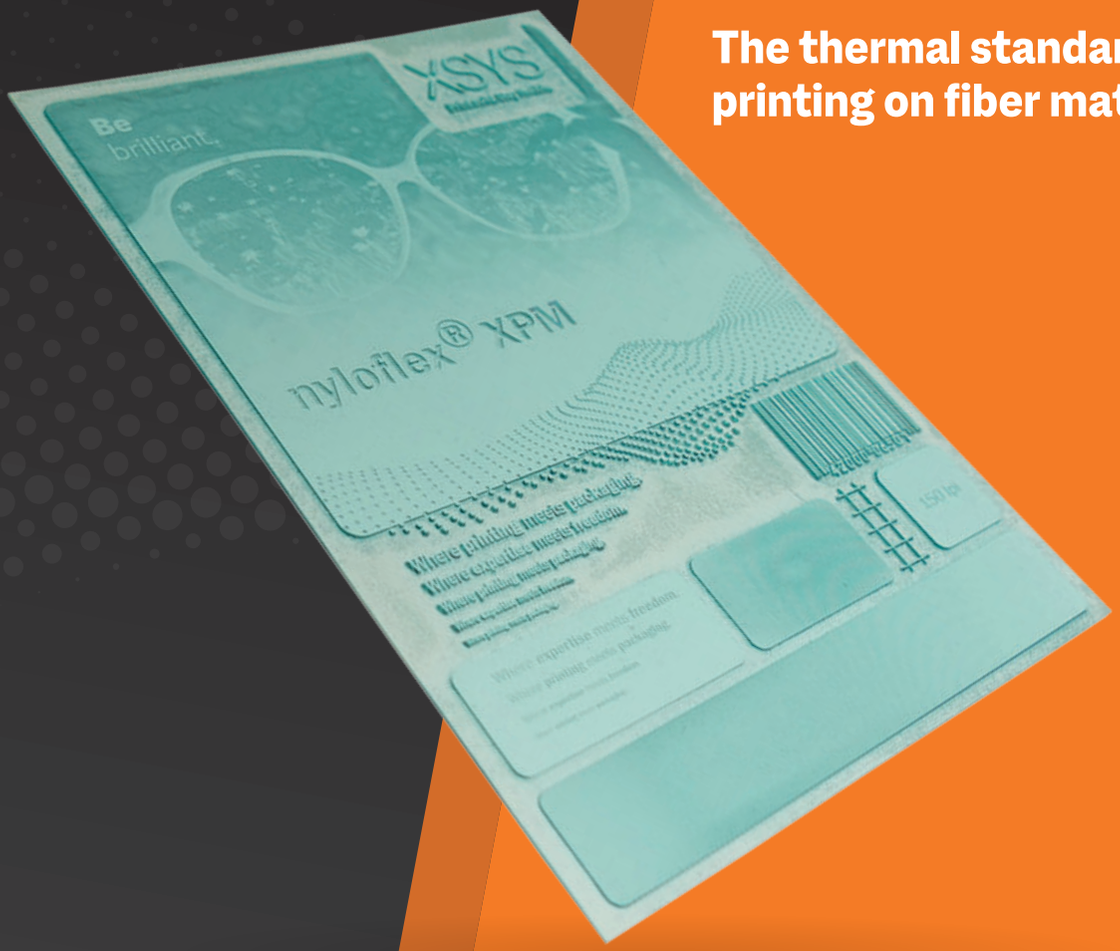
XSYS

Print solid. Stay flexible.

nyloflex®
XPM

The thermal standard in flexo printing on fiber materials



Be
brilliant.

MEDIUM HARD PLATE FOR CONSISTENT PRINT QUALITY ON FIBER BASED MATERIALS

- **Sharp reproduction of finest elements,** screens, text and fine line work.
- **Outstanding quality** reproduction of smooth vignettes and high contrast images.
- **Excellent storage properties** and increased number of usages due to low surface tack.

nyloflex®

XPM

- Medium durometer flexo plate designed for excellent print quality.
- Developed for water based inks, also suitable for a broad range of UV and solvent based inks.[4]
- For printing on liquid / aseptic packaging (beverage packaging) and corrugated preprint.
- Especially suitable for paper and rough substrates.

BRILLIANT PRESENTATION OF YOUR BRAND ON FIBER BASED MATERIALS

Be brilliant.

nyloflex®
XPM Digital

The thermal standard in flexo printing for fiber materials

Technical characteristics	nyloflex® XPM 114 Digital	nyloflex® XPM 170 Digital
Colour of raw plate	light blue	light blue
Total thickness (mm)[1]	1.14	1.70
Hardness acc. to DIN 53505	50	50
Plate hardness (Shore A)	72	61
Recommended relief depth (mm)	0.46 - 0.56	0.46 - 0.56
Tonal range (%)	1 - 99	1 - 99
at screen ruling (L/cm)	80	80
Fine line width – down to µm	100	100
Isolated dot diameter – down to µm	200	200

Processing parameters[2]		
Back exposure (s)	12 - 20	40 - 50
Main exposure (min)	6 - 8	6 - 8
Post exposure UV-A (min)	10	10
Light finishing UV-C (min)[3]	6-10	6-10

Processing information

Suitable equipment nyloflex® XPM 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® XPM Digital plates must be processed with the nyloflex® Xpress Thermal Processor.

Printing inks Suitable for all UV inks4 and water based printing inks.

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 printing plates are produced at Willstätt production site, which is certified according to international standards for quality management (DIN EN ISO 9001:2015), environmental management (DIN EN ISO14001:2015) and energy management (DIN EN ISO 50001:2018).

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 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.
info@xsysglobal.com • www.xsysglobal.com

XSYS 02-2025
Print solid. Stay flexible.

XSYS

Print solid. Stay flexible.