

Print solid. Stay flexible.

nyloflex®
ACE UP

The standard in flexo printing with water based inks



Be
brilliant.

SUPERIOR PRINT QUALITY AND EFFICIENCY

- **High durometer flexo** plate designed for excellent print quality.
- **Developed for water based** inks & a broad range of UV-inks.⁴
Also suitable for solvent based inks.
- **Applications:**
 - Corrugated Pre-Print
 - Aspetic Pacakging
 - Lables & Flexible Packaging
- **Excellent ink transfer** provides high ink density and homogenous, smooth solids, especially on paper substrates.
- **Sharp reproduction** of defined highlight areas, text, line work and barcodes.
- **Reliable** and consistent print results.
- **Perfect adjustment** to small diameter cylinders.



RELIABLE PRODUCTIVITY AND DURABILITY

- **Low surface** tack for less attraction of paper dust and dirt. Improved storage properties of processed plates, which allow stacking without interleaves easy and convenient handling.
- **Long run life**, durability and stability during printing, especially under high press speed conditions.



Be
brilliant.

nyloflex® ACE UP

- Superior printing quality with sharper images, more open intermediate depths, finer highlight dots.
- Increased productivity, reduced error rate and data transfer without loss of quality due to digital workflow.
- Consistent & Reliable quality on press and in plate processing.



ENSURES COLOR CONSISTENCY OF YOUR BRAND ON THE SHELF

nyloflex® ACE UP Digital

The standard in flexo printing with water based inks



Technical characteristics	nyloflex® ACE UP Digital		
	114	170	254
Base material	Polyester foil		
Colour of raw plate	light green with LAMS layer		
Total thickness ² (mm)	1.14	1.70	2.54
(inch)	(0.045")	(0.067")	(0.100")
Hardness acc. to DIN 53505 (Shore A)	62	62	62
Plate hardness (Shore A)	78	70	66
Relief depth (mm)	0.5-0.7	0.7-0.9	0.9-1.2
Tonal range (%)	1-98	1-98	2-98
at screen ruling (l/cm)	60	60	60
Fine line width (down to µm)	100	100	100
Isolated dot diameter (down to µm)	200	200	200
Processing parameters²			
Back exposure (s)	25-45	50-70	60-85
Main exposure (min)	8-12	8-12	8-12
Washout speed (mm/min)	180-220	160-180	160-180
Drying time at 60°C / 140°F (h)	2.0	2.0	3.0
Post exposure UV-A (min)	8	8	8
Light finishing UV-C (min)	4 - 8	4 - 8	4 - 8

Processing information

Suitable equipment	The nyloflex® ACE UP Digital can be processed with nyloflex® processing equipment and all similar devices and can be used with all laser systems suitable for imaging flexo printing plates.
Printing inks	nyloflex® ACE UP Digital is suitable for all water based printing inks. It is also suitable for solvent based inks and conditionally suitable for UV inks (ethyl acetate content preferably below 15%, ketone content preferably below 5%).
Washout solvents	Especially good results are achieved with nylosolv® washout solvents. nylosolv® can be distilled and reused.
Processing information	A detailed description of the individual platemaking steps, as well as detailed information about processing 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 $\geq 17 \text{ mW/cm}^2$ 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@xsyglobal.com • www.xsyglobal.com

Our technical documents are designed to inform and guide our customers. The information provided herein is accurate to the best of XSYS's knowledge; however, we accept no liability for any errors, inaccuracies, or opinions expressed. Customers are responsible for determining the suitability of this product for their specific application. XSYS assumes no responsibility for any loss incurred as a result of reliance on the information contained in this document. Product names followed by ® are registered trademarks of XSYS Germany GmbH and/or its affiliates.

XSYS 03-2025
Print solid. Stay flexible.

XSYS

Print solid. Stay flexible.