Be brilliant.

nyloflex® ACE UP

The standard in high quality flexo printing with water based inks

Superior print quality and efficiency

+ High durometer flexo plate designed for excellent print quality
+ Product applications
  + Developed for water based inks, also suitable for a broad range of UV and solvent based inks[1]
  + For printing on liquid/aseptic packaging (beverage packaging) and corrugated preprint
  + Also for labels and flexible packaging
  + Especially suitable for paper and rough substrates
+ 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

Advantages of nyloflex® Digital plates

- Superior printing quality with sharper images, more open intermediate depths, finer highlight dots and less dot gain, i.e. larger range of tonal values, therefore improved contrast
- Increased productivity, reduced error rate and data transfer without loss of quality due to digital workflow
- Consistency in quality when repeating plate processing
- Cost effective and more environmentally friendly in processing, as no film is required

XSYS

Print solid. Stay flexible.

Where printing meets packaging.

nyloflex® ACE UP

	nyloflex® ACE UP Digital		
	114	170	254
Technical characteristics			
Base material	Polyester foil		
Colour of raw plate	light green with LAMS layer		
Total thickness[2] (mm) (inch)	1.14 (0.045")	1.70 (0.067")	2.54 (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 (%) at screen ruling (l/cm)	1–98 60	1–98 60	2–98 60
Fine line width (down to µm)	100	100	100
Isolated dot diameter (down to µm)	200	200	200
Processing parameters[3]			
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)	10	10	10
Light finishing UV-C (min)[4]	2–10	2–10	2–10

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.
High quality standard	nyloflex® printing plates are manufactured according to DIN ISO 9001, DIN ISO 14001 and DIN ISO 5001 standards and requirements. This process guarantees our customers consistent high quality products and services.

1) 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. 2) Standard thicknesses currently available – subject to change. 3) All processing parameters depend on, among others, the processing equipment, lamp age and the type of washout solvent. The above mentioned processing times were established under optimum conditions on nyloflex® processing equipment and using nylosolv® washout solvents. The values for the main exposure of digital plates were determined at an exposure intensity of > 15mW/cm². Under other conditions the processing times can differ from these. Therefore the above mentioned values are only to be used as a guide. 4) Depending on the tubes lifetime.

Please contact us for additional information.

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GOLD 2023 ecovadis Sustainability Rating

XSYS Print solid. Stay flexible.

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