

nyloflex® printing plates

nyloflex® printing plates – overview

nyloflex®	ACE	AFC	FAB	FAH	ACT	FAR	ART	FHC	FAC	FCC	FSC
Plate hardness in Shore A	62	62	62	60	50	50	40	40	32	30	26
Conventional Digital	C D	C -	C D	C D	C D	C -	C D	C -	C D	C -	C D
Flexible Packaging	✓	✓	✓	✓	✓	✓	✓				
Labels	✓	✓	✓	✓	✓	✓	✓				
Corrugated – Preprint	✓	✓			✓	✓	✓				
Corrugated – Postprint							✓	✓	✓	✓	✓

For details, please refer to the > nyloflex® technical data leaflet.

nyloflex® printing plates – to meet every challenge

nyloflex® ACE | nyloflex® ACE Digital



Fast and accurate – the ‘ace’ in high quality halftone printing

- ideal for film, foil and coated paper substrates
- low dot gain & reproduction of fine vignettes
- excellent performance in halftone printing and with High Definition Flexo (HD Flexo)
- perfect for long print runs
- suitable for water and alcohol based inks, conditionally suitable for UV-inks*

nyloflex® ACT | nyloflex® ACT Digital



Excellent in combination printing

- optimised for printing designs that combine halftones and solids in one plate
- for absorbent and non-absorbent substrates
- high solid density and minimum dot gain in halftones
- wide exposure latitude and good relief depths
- suitable for water and solvent based inks and conditionally for UV-inks*

nyloflex® AFC



The alternative to digital plates

- optimised for exposing with films that have been specially calibrated during exposure
- finest halftones – similar to digital processing
- very good relief depths due to wide exposure latitude
- other applications and parameters correspond to nyloflex® ACE

nyloflex® FAR



Versatile and established plate for all substrates

- for universal use in flexo printing
- applicable for all absorbent and non-absorbent substrates commonly used today
- suitable for the use with water and solvent based inks, conditionally suitable for UV inks*

nyloflex® FAB | nyloflex® FAB Digital



The resistant plate – especially for UV-inks

- for high quality printing of labels and flexible packaging
- high flexibility, therefore perfect for small diameter printing cylinders
- excellent exposure latitude even with small relief depths; short exposure times
- wide tonal range for the reproduction of finest image elements

nyloflex® ART | nyloflex® ART Digital



Ideal for printing on fibre based packaging

- for high quality postprint on corrugated board, for folding corrugated board, especially fine flute
- preprint on kraft, test and uncoated liners
- high solid density and defined line work on all paper substrates
- excellent and consistent ink transfer, especially with water based inks

nyloflex® FAH | nyloflex® FAH Digital



Established for use with UV-inks

- fine run-out of tonal gradations and optimum ink coverage in solid areas
- reverse elements remain open
- suitable for UV-inks and for alcohol based inks

nyloflex® Digital – Advantages



- superior printing quality with sharper images, more open intermediate depths, finer highlight dots and less dot gain
- increased productivity 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

nyloflex® printing plates – for corrugated postprint

nyloflex® FHC



Hard plate for standard applications in postprint

- suitable for a broad range of substrates
- very good ink transfer and area coverage
- good intermediate depths with best contour definition
- robust and durable material for long run life and high print run stability
- convenient plate processing
- reduced cleaning cycles

nyloflex® FCC



The durable standard in postprint

- especially for printing on coarse corrugated fluted board, with uncoated and half-coated papers
- ideal for retail packages with simple designs
- very good ink transfer with excellent area coverage and high solid density
- extremely robust and durable material

nyloflex® FAC | nyloflex® FAC Digital



Just brilliant – high performance in postprint

- copes with all requirements – starting from print on rough and uneven substrates to pressure-sensitive and soft paper substrates
- outstanding with challenging and multi-colour designs
- very good ink transfer with excellent area coverage and high solid density
- perfect adaption to corrugated board surfaces

nyloflex® FSC | nyloflex® FSC Digital



Soft plate for postprint – unique hardness in solid

- high print quality due to low plate hardness & digital processing
- excellent solids coverage, particularly on low cost liners
- very good ink transfer
- cost efficient & reliable
- long run life and superior durability
- easy and convenient handling

nyloflex® printing plates – for special applications

nyloflex® FE



The specialist in white preprinting – developed for solid area printing

- high resistance against esters, ketones and alcohols, allows the application of solvent based 2-component inks for white preprinting
- long run life with the use of UV-inks
- high print run stability with good area coverage
- no register problems with rubber plates

nyloflex® Sprint | nyloflex® Sprint Digital



The gentle approach – pure water washout

- water-washable photopolymer plate for flexo printing with UV-inks
- no solvents are necessary during the washout process
- excellent resistance against UV-inks and varnishes
- fast plate making process, complete within 30 minutes

nyloflex® printing plates – for print finishing

nyloflex® Gold A | nyloflex® Gold A Digital



Unique coating plate on aluminium base

- for high resolution printing – solid and spot coating
- high register accuracy due to the dimensional stability of the aluminium base, even during repeated print runs
- wide exposure latitude ensures good intermediate depths
- suitable for dispersion and UV-coatings; for metal pigment and pearlescent inks

nyloflex® Seal F | nyloflex® Seal F Digital



Film based coating plate – unique in digital

- especially developed for inline finishing in sheetfed offset presses with flexo coating units and for offline finishing in coating presses
- for spot and full surface coating on coated papers and board
- high stability even with UV-coatings and -inks
- high dimensional stability due to thick polyester film

* 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.