

nyloflex[®] printing plates

nyloflex[®] printing plates – overview

nyloflex [®]	ACE	AFC	FAB	FAH	ACT	FAR	FAM	ART	FHC	FAC	FCC	FSC
Plate hardness in Shore A	62	62	62	60	50	50	50	40	40	32	30	26
Conventional Digital	C D	C -	- D	C D	C D	C -	- D	C D	C -	C D	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



Sets the standard in high quality flexo printing

- Highest print quality combined with superior efficiency
- Superior cleaning behaviour – less press stops
- High solvent resistance – perfect for solvent based inks, also for water based and UV inks*
- Extreme durability – for long print runs
- Ideal for FTD technologies, i.e. nyloflex[®] NEXT

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

- The all-rounder for standard applications
- 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*
- Robust, resistant and easy handling

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[®] FAM Digital



Robust and flexible – for flexible packaging

- For a broad range of applications
- For clean print results on various substrates, from textured to even surfaces
- Robust and hard wearing, therefore extended press life and economical
- Highly resistant to solvent based inks, suitable for water based inks, conditionally suitable for UV inks*

nyloflex[®] FAH | nyloflex[®] FAH Digital



Established for use with UV inks

- For high resolution printing of labels, flexible packaging and folding cartons
- Fine vignettes and optimum ink coverage in solid areas
- Reverse elements remain open
- Suitable for UV inks and for alcohol based inks

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® 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 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, for 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 varnishes; for metal pigment and pearlescent inks

nyloflex® Seal F | nyloflex® Seal F Digital



Film based coating plate – unique in digital

- Developed for inline finishing in sheetfed offset presses with flexo coating units and for offline finishing in coating presses
- High resolution and high print contrast
- For spot and full surface coating on coated papers and board
- High stability even with UV varnishes 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.

You are welcome to contact us for further information!

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