

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

- extremely short processing times
- excellent performance with long print runs
- excellent quality due to minimum dot gain
- ideal for printing on film and foil as well as for lightly coated paper substrates
- suitable for water and alcohol based inks, conditionally suitable for UV-inks*

nyloflex® ACT | nyloflex® ACT Digital



Excellence in combination printing

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

nyloflex® AFC



The alternative to digital plates

- optimised for exposing with films which 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 with nyloflex® ACE

nyloflex® FAR



Convincingly versatile – the approved all-rounder

- plate for universal use in flexo printing
- applicable for all absorbent and non-absorbent substrates commonly used today
- appropriate 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, flexible packaging and folding cartons
- high flexibility, therefore perfect for small diameter printing cylinder
- excellent exposure latitude even with small relief depths
- wide tonal range for the reproduction of finest image elements

nyloflex® ART | nyloflex® ART Digital



The perfect printing plate for printing on fibre based packaging material

- unique for high quality postprint on coated liners
- high solid density and defined line work in preprint, in particular on rough surfaces
- most effective when printing on folding cartons, envelopes and sacks
- excellent and consistent ink transfer

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 also for alcohol based inks

nyloflex® Digital – Advantages



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

nyloflex® printing plates – for corrugated postprint

nyloflex® FHC



Hard plate for standard applications in postprint

- suitable for a broad range of substrates
- excellent ink transfer and area coverage
- good intermediate depths with sharp edges
- robust and durable material for long lifetime and high print run stability
- convenient plate processing with short exposure times
- 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 area coverage, particularly on low cost liners
- very good ink transfer
- cost efficient & reliable
- long lifetime and superior durability
- easy and convenient handling

nyloflex® printing plates – for special applications

nyloflex® FE



Specialist in white preprinting – developed for solid area printing

- high resistance against ester, 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



Appealing by definition

- ideal for high resolution printing
- high register accuracy due to the dimensional stability of the aluminium base, even during repeated print runs
- wide exposure latitude ensures good intermediate depths
- good ink transfer of metal pigment and pearlescent inks
- particularly for dispersion and UV-coatings

nyloflex® Seal F | nyloflex® Seal F Digital



Foil 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 foil

* 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!

Flint Group Flexographic Products
Siegelerstrasse 25
70469 Stuttgart
Germany

T +49 711 9816-301
F +49 711 9816-801
info.flexo@flintgrp.com
www.flintgrp.com

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