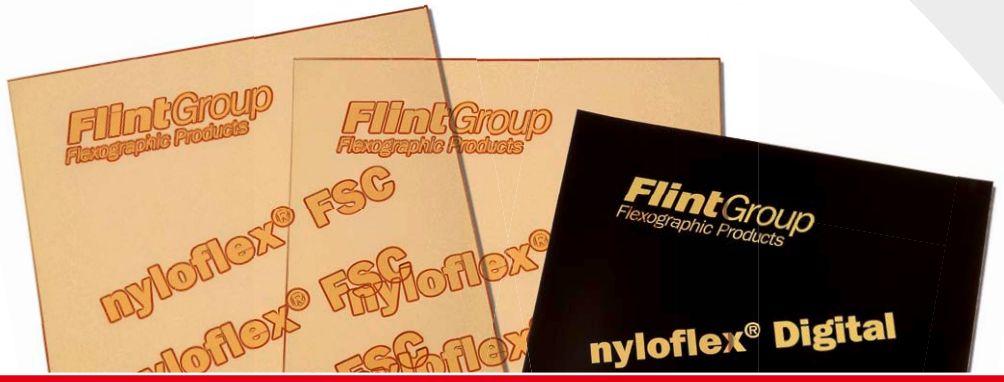
Rely on us.SM



NEW!

nyloflex® FSC
nyloflex® FSC Digital

Soft plate for corrugated postprint, especially for transit packaging – unique hardness in the solid plates segment

Low plate hardness & high print quality

- perfect area coverage, particularly on low cost liners
- very good ink transfer
- good intermediate depths
- excellent print results, particularly in solid areas
- superior printing performance in line work
- also suitable for screen work

Standard solid plate processing – cost efficient & reliable

- superior durability and long lifetime
- suitable for standard equipment – no additional investment necessary
- established technology – no additional training required
- easy handling – clean and fast processing
- reduced plate cleaning cycles

Advantages of nyloflex® Digital

- higher printing quality with sharper images, more open intermediate depths
- 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

FlintGroup
Flexographic Products

nyloflex® FSC | nyloflex® FSC Digital

	nyloflex® FSC		nyloflex® FSC Digital			
	394	635	318	394	470	550
Technical characteristics						
Base material	polyester foil		polyester foil			
Colour of raw plate	orange		orange, with black LAMS layer			
Total thickness* (mm) (inch)	3.94 0.155	6.35 0.250	3.18 0.125	3.94 0.155	4.70 0.185	5.50 0.217
Hardness acc. to DIN 53505 (Shore A)	26	26	26	26	26	26
Plate hardness (Shore A)	28	26	30	28	27	26
Relief depth (mm)	1.0 – 1.5	2.2 – 3.0	0.9 – 1.5	1.0 – 1.5	1.2 – 2.2	2.0 – 3.0
Tonal range (%) at screen ruling	3 – 95 32 l/cm (80 lpi)	3 – 95 24 l/cm (60 lpi)	3 – 95 32 l/cm (80 lpi)	3 – 95 32 l/cm (80 lpi)	3 – 95 24 l/cm (60 lpi)	3 – 95 24 l/cm (60 lpi)
Fine line width (down to µm)	300	300	300	300	300	300
Isolated dot diameter (down to µm)	750	1000	750	750	750	750
Processing parameters**						
Back exposure (s)	50 – 100	250 – 300	50 – 100	50 – 100	70 – 100	120 – 160
Main exposure (min)	8 – 18	8 – 18	10 – 14	10 – 14	10 – 14	10 – 14
Washout speed (mm/min)	90 – 100	60 – 70	130 – 140	90 – 100	60 – 70	50 – 60
Drying time at 60 °C / 140 °F (h)	3.0	4.0	2.5 – 3.0	3.0	3.5	4.0
Post exposure UV-A (min)	10	10	10	10	10	10
Light finishing UV-C (min)	10 – 15	10 – 15	10 – 15	10 – 15	10 – 15	10 – 15

* Standard thicknesses currently available – subject to change.

** All processing parameters depend on amongst 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.

Suitable equipment

The nyloflex® FSC can be processed with nyloflex® processing equipment and all similar devices. The nyloflex® FSC Digital can be used with all laser systems suitable for imaging flexo printing plates.

Printing inks

The nyloflex® FSC is suited for all water-based printing inks.

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 in accordance to the requirements and standards of DIN ISO 9001. This process guarantees our customers maximum quality consistence.

Experience the Difference!
ANDERSON & VREELAND INC.

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