

Be
brilliant.

nyloflex[®] FCC

The durable analogue plate for corrugated post print

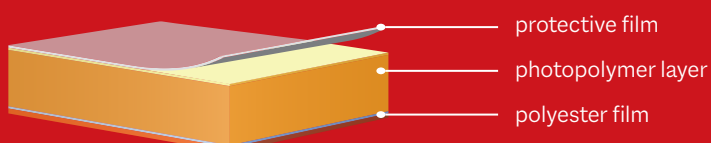


Product features

- + Especially for printing on coarse corrugated fluted board, with uncoated and half coated papers
- + Ideal for retail packages with simple designs
- + Optimised for use in inline corrugated print production
- + Very good ink transfer with excellent area coverage and high solid density
- + Perfect adaptation to corrugated board surfaces reduces washboard effect
- + Less plate cleaning due to special surface properties
- + Extremely robust and durable material thus
 - + high print run stability
 - + excellent storage capability
 - + low swelling characteristic
 - + high resistance to ozone

Schematic of nyloflex[®] FCC

The nyloflex[®] FCC is a monolayer plate. It consists of a light sensitive photopolymer layer bonded to a polyester film.



XSYS
Print solid. Stay flexible.

Where printing meets packaging.

nyloflex® FCC

	nyloflex® FCC					
	394	470	500	550	600	635
Technical characteristics						
Base material	polyester film					
Colour of raw plate	orange					
Total thickness ¹ (mm)	3.94	4.70	5.00	5.50	6.00	6.35
(inch)	0.155	0.185	0.197	0.217	0.236	0.250
Hardness acc. to DIN 53505 (Shore A)	30	30	30	30	30	30
Plate hardness (Shore A)	33	32	31	30	30	30
Relief depth (mm)	1.0-1.5	1.2-2.2	1.8-2.8	2.0-3.0	2.2-3.0	2.2-3.0
Tonal range (%)	3-95	3-95	3-95	3-95	3-95	3-95
at screen ruling	32 l/cm (80 lpi)	24 l/cm (60 lpi)	24 l/cm (60 lpi)	24 l/cm (60 lpi)	24 l/cm (60 lpi)	24 l/cm (60 lpi)
Fine line width (down to µm)	300	300	300	300	300	300
Isolated dot diameter (down to µm)	750	750	750	750	750	1000

Processing parameters²						
Back exposure (s)	50-70	30-50	50-70	80-120	100-140	250-300
Main exposure (min)	8-18	8-18	8-18	8-18	8-18	8-18
Washout speed (mm/min)	90-100	60-70	60-70	60-70	60-70	60-70
Drying time at 60°C / 140°F (h)	3.0	4.0	4.0	4.0	4.0	4.0
Post exposure UV-A (min)	10	10	10	10	10	10
Light finishing UV-C (min)	8-12	8-12	8-12	8-12	8-12	8-12

Processing Information	
Suitable equipment	The nyloflex® FCC can be processed with nyloflex® processing equipment and all similar devices.
Printing inks	Suitable for all water based and solvent based printing 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.
Certification	XSYS printing plates are produced at Willstätt production site, which is certified according to international standards for quality management (DIN EN ISO 9001:2015), environmental management (DIN EN ISO14001:2015) and energy management (DIN EN ISO 50001:2018).

1) Standard thicknesses currently available - subject to change. 2) 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. Under other conditions the processing times can differ from these. Therefore the above mentioned values are only to be used as a guide.

Please contact us for additional information.

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