

**NEW!**

# nyloflex<sup>®</sup> FHC

Hard plate for standard applications in corrugated postprint

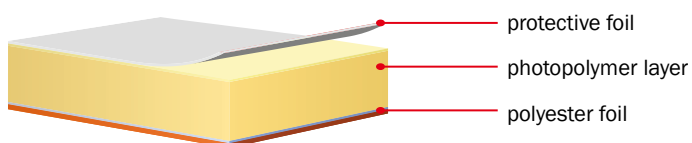
## High plate hardness for reliable print quality

- suitable for a broad range of substrates
- very good and consistent ink transfer with excellent area coverage
- high solid density and minimum dot gain in the halftones
- intermediate depths with excellent contour definition

## Efficient handling and superior durability

- convenient plate processing with short exposure times
- high print run stability due to superior resistance against mechanical stress
- long lifetime due to robust and durable material
- reduced cleaning cycles due to special surface properties

### Schematic of nyloflex<sup>®</sup> FHC



The nyloflex<sup>®</sup> FHC is a monolayer plate. It consists of a light-sensitive photopolymer layer bonded to a polyester foil.

nyloflex® FHC	
394	
Technical characteristics	
Base material	polyester foil
Colour of raw plate	orange
Total thickness* (mm) (inch)	3.94 (0.155")
Hardness acc. to DIN 53505 (Shore A)	40
Plate hardness (Shore A)	41
Relief depth (mm)	1.0 – 1.5
Tonal range (%) at screen ruling (l/cm)	3 – 90 48
Fine line width (down to µm)	300
Isolated dot diameter (down to µm)	750

Processing parameters**	
Back exposure (s)	50 – 100
Main exposure (min)	8 – 18
Washout speed (mm/min)	70 – 100
Drying time at 60° C / 140° F (h)	3
Post exposure UV-A (min)	10
Light finishing UV-C (min)	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. 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® FHC can be processed with nyloflex® processing equipment and all similar devices.
- Printing inks** The nyloflex® FHC is suited for all water-based and alcohol-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.
- 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.

**You are welcome to contact us for further information.**

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