

Be
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nyloflex® FHC

Hard plate for standard applications in corrugated post print



High plate hardness for reliable print quality

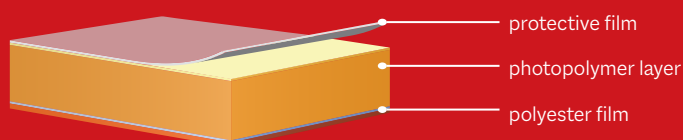
- + Suitable for a broad range of substrates
- + Very good and consistent ink transfer with excellent area coverage
- + High solid density and minimum dot gain in the halftones
- + Intermediate depths with excellent contour definition

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® FHC

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



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Where printing meets packaging.

nyloflex® FHC

nyloflex® FHC

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Technical characteristics

Base material	polyester film
Colour of raw plate	orange
Total thickness ¹ (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 parameters²

Back exposure (s)	50-100
Main exposure (min)	8-18
Washout speed (mm/min)	70-100
Drying time at 60°C / 140°F (h)	3.0
Post exposure UV-A (min)	10
Light finishing UV-C (min)	10-15

Processing Information

Suitable equipment	The nyloflex® FHC 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.
High quality standard	nyloflex® printing plates are manufactured according to DIN ISO 9001, DIN ISO 14001 and DIN ISO 5001 standards and requirements. This process guarantees our customers consistent high quality products and services.

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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04-2023