

# No solvents. No waiting. No worries.

# nyloflex® Xpress

Thermal Processing System

## nyloflex® XFH Digital

Flat top thermal plate with an inherent surface texture for wide web flexible packaging applications



Technical characteristics	nyloflex® XFH 114 Digital	nyloflex® XFH 170 Digital
Colour of raw plate	light blue	light blue
Total thickness (mm) <sup>1</sup>	1.14	1.70
Hardness acc. to DIN 53505	60	60
Plate hardness (Shore A)	78	69
Recommended relief depth (mm)	0.46 – 0.56	0.46 – 0.56
Tonal range (%)	1 – 99	1 – 99
at screen ruling (L/cm)	68	68
Fine line width – down to µm	100	100
Isolated dot diameter – down to µm	200	200

Processing parameters <sup>2</sup>		
Back exposure (s)	10 – 25	20 – 75
Main exposure (min)	8 – 12	8 – 12
Post exposure UV-A (min)	8	8
Light finishing UV-C (min) <sup>3</sup>	1 – 10	1 – 10

### Processing information

Suitable equipment	nyloflex® XFH Digital plates may be exposed using any nyloflex® exposure system and all similar devices and can be used with all laser systems suitable for imaging flexo printing plates. nyloflex® XFH Digital plates must be processed with the nyloflex® Xpress Thermal Processor.
Printing inks	Suitable for all solvent based and water based printing inks (ethyl acetate content preferably below 15%, ketone content preferably below 5%).
Processing information	A detailed description of the imaging, exposure and finishing steps, as well as detailed information about handling 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 50001 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 other things, the processing equipment and lamp age. The above mentioned processing times were established under optimum conditions on nyloflex® processing equipment. The values for the back and main exposures were determined at an exposure intensity of approximately 18 mW/cm<sup>2</sup>. Under other conditions the processing times can differ from these; therefore, the above mentioned values are only to be used as a guide. 3) Depending on longevity of the tubes. 5) Special product.

Find out more about the nyloflex® Xpress Thermal Processing System. Please contact us for additional information.

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