

NO WASHING. NO DRYING. NO WAITING.

nyloflex®
Xpress
Thermal Processing System



nyloflex® XPH Digital

The thermal standard for high quality flexo printing with water based and UV inks



Technical characteristics	nyloflex® XPH 045 Digital	nyloflex® XPH 067 Digital	nyloflex® XPH 107 Digital ⁵
Color of raw plate	light blue	light blue	light blue
Total thickness (inch) (mm) ¹	0.045" (1.14)	0.067" (1.70)	0.107" (2.72)
Hardness acc. to DIN 53505	60	60	60
Plate hardness (Shore A)	77	69	64
Recommended relief depth (inch)	0.018" - 0.022"	0.018" - 0.022"	0.020" - 0.026"
Tonal range (%)	1 - 99	1 - 99	1 - 99
at screen ruling (lpi)	200	200	200
Fine line width - down to inch (µm)	0.004" (100)	0.004" (100)	0.004" (100)
Isolated dot diameter - down to inch (µm)	0.008" (200)	0.008" (200)	0.008" (200)

Processing parameters ²			
Back exposure (s)	12 - 20	40 - 50	45 - 60
Main exposure (min)	6 - 8	6 - 8	6 - 8
Post exposure UV-A (min)	10	10	10
Light finishing UV-C (min) ³	8 - 12	8 - 12	8 - 12

Processing information	
Suitable equipment	nyloflex® XPH 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® XPH Digital plates must be processed with the nyloflex® Xpress Thermal Processor.
Printing inks	Suitable for all UV inks ⁴ , water based and solvent 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/cm². 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. 4) Suitability with UV inks is dependant on the ink type and temperature - these factors could affect the performance of the plate and consistency of the print. 5) Special product.

Please contact us for additional information.

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