XSYS

Print solid. Stay flexible.

nyloflex®
MAX C

Film based coating plate for print finishing

Be brilliant.

PRODUCT FEATURES

- **Designed for optimum ink transfer** with a wide variety of specialty inks, varnishes, and coatings used in the flexographic market.
- **For spot and full surface coating** in commercial and packaging printing on coated papers and board.
- **Excellent stability even** with UV coatings and UV inks.
- **Excellent dimensional stability due** to thick polyester film.
- **Capable of solvent** and thermal processing.
- **High resolution.**
- **Very good transfer** of water based dispersion and UV varnishes.

ADVANTAGES OF nyloflex® MAX C DIGITAL

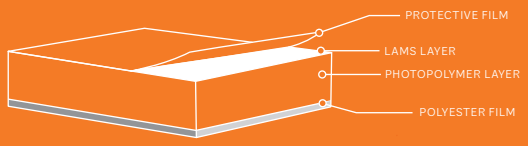
- **Superior coating quality with sharper details,** more open intermediate depths.
- **Ideal for the coating** of finest linework.
- **Consistency in quality** for repeating jobs.

nyloflex®

MAX C

nyloflex® MAX C plates are monolayer plates. They consist of a light sensitive photopolymer layer bonded to a polyester film.

nyloflex® MAX C Digital



MAKE YOUR BRAND MORE BRILLIANT WITH A HIGH QUALTIY & RELIABLE COATING

Be brilliant.

nyloflex®

MAX C Digital

Film based coating plate for print finishing

	nyloflex® MAX C Digital
Technical characteristics	**114**
Base material	Polyester film
Colour of raw plate	Purple
Total thickness[1] (mm | inch)	1.14 (0.045")
Hardness acc. to DIN 53505 (Shore A)	60
Plate hardness (Shore A)	78
Relief depth (mm | inch)	0.9
Fine line width (µm)	100
Isolated dot diameter (down to µm)	150

Processing parameters[2]	
Back exposure (s)	60 – 90
Main exposure (min)	10 – 12
Washout speed (mm/min)	200 - 250
Drying time at 60 °C | 140 °F (h)	1.5
Post exposure (UV-A) (min)	5
Light finishing (UV-C) (min)	4 - 8

Processing information

Suitable equipment nyloflex® MAX C 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® MAX C Digital plates can be processed in either solvent or LAVA® thermal processing systems.

Printing inks Suitable for all UV, water based and solvent based printing inks4 (ethyl acetate content preferably below 15%, ketone content preferably below 5%).

Washout solvents Especially good results are achieved with nylosolv® / SOLVIT® washout solvents. Both solvents can be distilled and reused.

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.

Certification XSYS Photopolymer Products are manufacturing and distributed from Morristown, TN Production site, which is certified according to international standards for quality management (DIN EN ISO 9001:2015), and environmental management (DIN EN ISO14001:2015).

1) Standard thicknesses currently available – subject to change 2) All processing parameters depend on, among other things, the processing equipment, lamp age and the type of washout solvent. A minimum exposure intensity of ≥ 17 mW/cm² is recommended. The above mentioned processing times were established under optimum conditions in our technical center. The standard test file with 149lpi was imaged at 4000DPI using a ThermoFlexX imager, 20 mW/cm² bank exposure, using nylosolv® A / SOLVIT® washout solvent and nyloflex® and ThermoFlexX Catena plate processing equipment. 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.

Please contact us for additional information.
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