

# XSYS

Print solid. Stay flexible.

# nyloflex<sup>®</sup> MCP

Exceptional Clean Running Plate



**Be**  
brilliant.

# SUPERIOR PRINT QUALITY AND EFFICIENCY

- **High durometer flexo plate designed** for excellent print quality.
- **Minimize waste** by combining flexible packaging and label jobs on one plate.
- **Less press downtime** - no ink fill in thanks to patented Clean Plate technology.
- **Longer durability** thanks to less plate swelling on press.



## nyloflex<sup>®</sup> MCP

- Hard durometer, round top dot plate featuring patented Clean PlateTechnology.
- Solvent or thermal processing.
- The reduction in physical cleaning requirements extends the plate life, making it ideal for longer print runs.
- Increased image sharpness with finer highlights, crisp text and reverses.
- Ozone resistant.



### APPLICATIONS

- Flexible packaging.
- Tag and labels.
- Paper&Board.
- Sacks, Multiwall

**BRILLIANT  
PACKAGING  
WITH OUTSTANDING  
PRINT RESULTS**

**Be**  
brilliant.

# nyloflex® MCP Digital

## Exceptional Clean Running Plate

### nyloflex® MCP Digital

Technical characteristics	170
Colour of raw plate	Purple
Total thickness (mm) <sup>1</sup>	1.70
	0.067
Plate hardness (micro Shore A)	69
Recommended relief depth (mm)	0.6 - 0.9
Tonal range (%)	1 - 98
at screen ruling (L/cm)	80
Fine line width (down to µm)	75
Isolated dot diameter (down to µm)	125

### Processing parameters<sup>2</sup>

Back exposure (s)	60 - 90
Main exposure (min)	5 - 8
Post exposure (UV-A) (min)	5
Light finishing UV-C (min) <sup>3</sup>	4 - 8

### Processing information

#### Suitable equipment

nyloflex® MCP 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® MCP Digital plates can be processed in either solvent or LAVA® thermal processing systems.

#### Printing inks

Suitable for all UV<sup>4</sup>, water based and solvent based printing inks<sup>4</sup> (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.

#### 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  $\geq 17 \text{ mW/cm}^2$  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 400DPI using a ThermoFlexX imager, 20 mW/cm<sup>2</sup> 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.

info@xsyglobal.com • www.xsyglobal.com

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**XSYS** 07-2025  
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