XSYS

Print solid. Stay flexible.

FlatTopDot

# nyloflex®

# ITP M

**High Performance on all paper substrates & film based materials**


**Be** brilliant.

# SUPERIOR PRINT QUALITY AND EFFICIENCY

- **Versatile plate for paper-** and film-based subsrates.
- **Medium High durometer flexo plate designed** for excellent print quality.
- **Smooth Plate surface** to optimise performance when using surface screening technologies.
- **Solvent & Thermal Plate** making compatible.
- **Less press downtime –** no ink fill in thanks to the optimized plate formulation.
- **Longer durability thanks** to less plate swelling on press.
- **Outstanding durability** & drape.
- **Patented Clean Plate** technology.
- **Compatible with all** standard ink types.

# RELIABLE PRODUCTIVITY AND DURABILITY

- **Long run life,** durability and stability during printing, especially under high press speed conditions.

nyloflex®

# ITP M

Smooth, medium duromenter FTD plate. Versatile usable for all kind of paper and film based substrates.

## APPLICATIONS

- Paper&Board.
- Flexible Packaging.

# LET YOUR BRAND SHINE RIGHT ON ALL KIND OF SUBSTRATES


Be brilliant.

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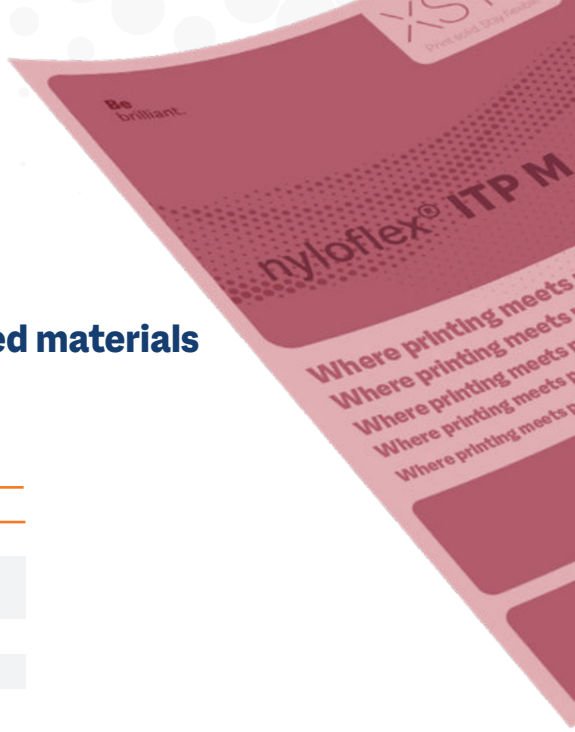
# nyloflex®
# ITP M Digital

## High Performance on all paper substrates & film based materials




| | nyloflex® ITP-M Digital | |
|---|---|---|
| **Technical characteristics** | **114** | **170** |
| Colour of raw plate | Purple | |
| Total thickness (mm)[1] | 1.14<br>0.045 | 1.70<br>0.067 |
| Plate hardness (micro Shore A) | 73 | 64 |
| Recommended relief depth (mm) | 0.5 – 0.7 | 0.6 – 0.9 |
| Tonal range (%)<br>at screen ruling (L/cm) | 1 – 99<br>70 | 1 – 99<br>70 |
| Fine line width (down to µm) | 50 | 50 |
| Isolated dot diameter (down to µm) | 100 | 100 |

| **Processing parameters[2]** | | |
|---|---|---|
| Back exposure (s) | 15 – 40 | 20 – 50 |
| Main exposure (min) | 8 – 10 | 8 – 10 |
| Post exposure (UV-A) (min) | 5 | 5 |
| Light finishing UV-C (min)[3] | 1 – 5 | 1 – 5 |

### Processing information

**Suitable equipment** nyloflex® ITP-M 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® ITP-M Digital plates can be processed in either solvent or LAVA® thermal processing systems.

**Printing inks** Suitable for all UV[4], water based and solvent based printing inks[4] (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 ≥ 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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