

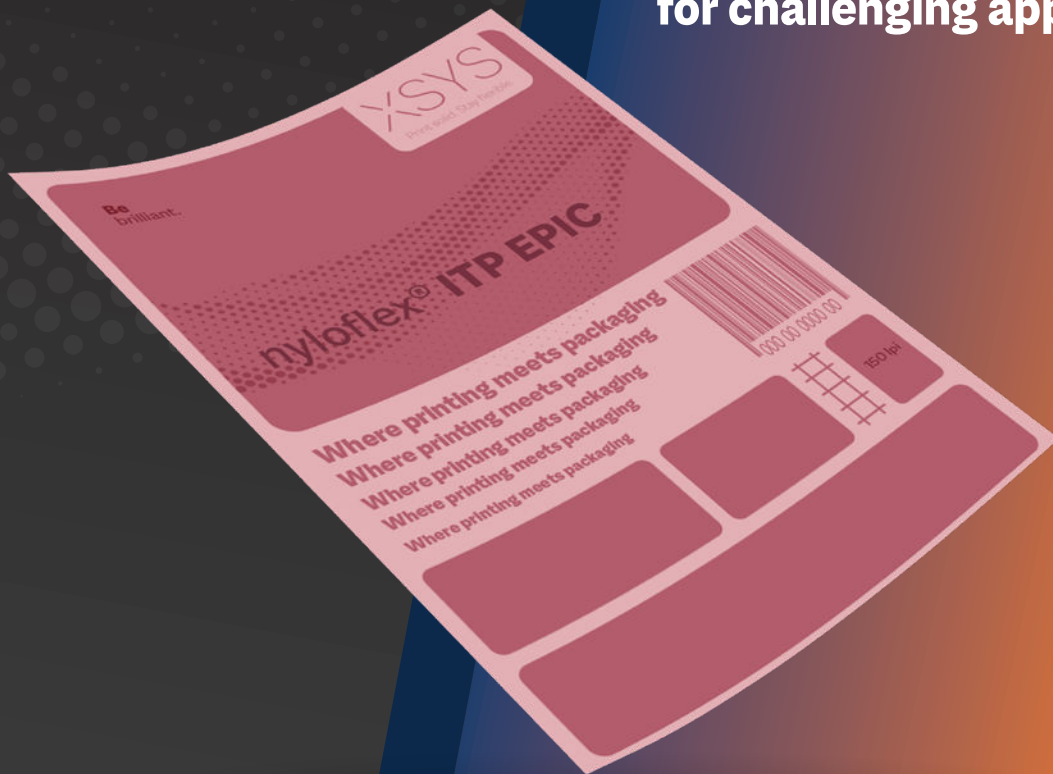
XSYS

Print solid. Stay flexible.



nyloflex[®] ITP- EPIC

The surface engineered plate
for challenging applications



Be
brilliant.

SUPERIOR PRINT QUALITY AND EFFICIENCY

- **Innovative cap layer delivering** excellent ink transfer and ensures best possible tonal range.
- **Reduce cost, save time:** FTD out of the Box with special surface roughness, no additional equipment or any consumables required.
- **Excellent ink coverage** achieved on textured substrates.
- **High print quality achieved** without the need for surface screening.
- **Less press downtime** - no ink fill in thanks to patented Clean Plate technology.
- **Longer durability** thanks to less plate swelling on press.
- **Outstanding durability & drape.**



RELIABLE PRODUCTIVITY AND DURABILITY

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



nyloflex® ITP- EPIC

- Textured, medium durometer FTD plate for flexible packaging & fiber-based substrates.
- Engineered Surface removing the need for secondary technologies to achieve optimal ink transfer.
- Solvent & Thermal Plate making compatible.



APPLICATIONS

- Flexible packaging.
- Fiber-based substrates.

ACHIEVE SUPERIOR
ON-SHELF
APPEARANCE WITH
SMOOTHER SOLIDS
CONSISTENT
COLORS
AND UNIFORM
HIGHLIGHTS



FlatTopDot

nyloflex®

ITP-EPIC Digital

The surface engineered plate for challenging applications



nyloflex® ITP-EPIC Digital

Technical characteristics	114	170	272
Colour of raw plate		Purple	
Total thickness (mm) ¹	1.14	1.70	2.72
	0.045	0.067	0.107
Plate hardness (micro Shore A)	73	66	57
Recommended relief depth (mm)	0.5 - 0.7	0.6 - 0.9	0.9 - 1.2
Tonal range (%)	1 - 99	1 - 99	1 - 99
at screen ruling (L/cm)	70	70	70
Fine line width (down to µm)	50	50	100
Isolated dot diameter (down to µm)	100	100	200
Processing parameters²			
Back exposure (s)	15 - 45	40 - 70	100 - 130
Main exposure (min)	8 - 10	8 - 10	8 - 10
Post exposure (UV-A) (min)	5	5	5
Light finishing UV-C (min) ³	1 - 5	1 - 5	1 - 5

Processing information

Suitable equipment

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

Printing inks

Suitable for all UV⁴, water based and solvent based printing inks⁴ (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/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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