

Rely on us.<sup>SM</sup>



**NEW!**

# nyloflex<sup>®</sup> Sprint nyloflex<sup>®</sup> Sprint Digital

The gentle approach – washable with tap water

## High print quality

- high resistance against UV-inks and UV-varnishes
- for high quality halftone flexo printing
- outstanding performance in printing of finest elements (up to 60 L/cm)
- designed to print labels and flexible packaging (narrow and mid web)
- excellent area coverage
- very good ink transfer

## Environmentally friendly & efficient

- washable with tap water – hence cost saving and environmentally friendly as no solvents required
- short processing times – complete platemaking within 30 min
- lower investment in processing equipment

## Advantages of nyloflex<sup>®</sup> Sprint Digital

- higher print quality with sharper images and more open reverses
- increased productivity when processed in flowline equipment
- reduced failure rate and data transfer without loss of quality due to digital workflow
- consistency in quality when repeating plate processing
- cost-effective and more environmentally friendly in processing as no film is required

**FlintGroup**  
Flexographic Products

# nyloflex® Sprint | nyloflex® Sprint Digital

	nyloflex® Sprint	nyloflex® Sprint Digital <sup>1</sup>
	114	114
<b>Technical characteristics</b>		
<b>Base material</b>	polyester foil	polyester foil
<b>Colour of raw plate</b>	blue	blue, with black LAMS layer
<b>Total thickness* (mm)</b> (inch)	1.14 (0.045")	1.14 (0.045")
<b>Hardness acc. to DIN 53505 (Shore A)</b>	57	57
<b>Plate hardness (Shore A)</b>	77	77
<b>Relief depth (mm)</b>	0.5 – 0.7	0.5 – 0.7
<b>Tonal range (%)</b> <b>at screen ruling of</b>	2 – 95 60 l/cm (150 lpi)	1 – 98 60 l/cm (150 lpi)
<b>Fine line width (down to µm)</b>	100	100
<b>Isolated dot diameter (down to µm)</b>	200	200

<b>Processing parameters**</b>		
<b>Back exposure<sup>2</sup> (s)</b>	10 – 40	10 – 40
<b>Main exposure (s)</b>	30 – 150	30 – 150
<b>Washout speed (mm/min) in flowline washer</b>	200 – 250	200 – 250
<b>Washout time (min) in compact washer with plush</b>	2 – 2.5	2 – 2.5
<b>Washout at temperature</b>	22 – 30 °C (72 – 86 °F)	22 – 30 °C (72 – 86 °F)
<b>Drying time at 60 °C / 140 °F (min)</b>	15 – 20	15 – 20
<b>Post exposure UV-A (min)</b>	2	2
<b>Light finishing UV-C (min)</b>	-	-

<sup>1</sup> non-standard product

<sup>2</sup> recommended back exposure times when using a screen film

\* standard thicknesses currently available – subject to change

\*\* All processing parameters depend on amongst others the processing equipment and lamp age. The above mentioned processing parameters were established under optimum conditions on nyloprint® 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.

## Suitable equipment

nyloflex® Sprint and nyloflex® Sprint Digital can be processed with all nyloprint® processing equipment, flowline as well as compact washout units and all similar devices. nyloflex® Sprint Digital can be processed with all commonly used flexo and letterpress laser systems.

## Printing inks

nyloflex® Sprint and nyloflex® Sprint Digital are suited for all UV-inks and UV-varnishes.

## Washout medium

For washout only tap water is needed.

## Processing information

A detailed description of the individual platemaking steps as well as detailed information about processing and storing can be found in the nyloflex® Sprint User Guide.

## High quality standard

nyloflex® printing plates are manufactured in accordance to the requirements and standards of DIN ISO 9001. This process guarantees our customers maximum quality consistence.

**You are welcome to contact us for further information.**

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