



nyloflex[®] Sprint nyloflex[®] Sprint Digital

The gentle approach – washable with tap water

High print quality

- high resistance against UV inks and 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[®] 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

nyloflex® Sprint | nyloflex® Sprint Digital

	nyloflex® Sprint	nyloflex® Sprint Digital ¹
	114	114
Technical characteristics		
Base material	polyester film	polyester film
Colour of raw plate	blue	blue, with black LAMS layer
Total thickness¹ (mm) (inch)	1.14 (0.045")	1.14 (0.045")
Hardness acc. to DIN 53505 (Shore A)	57	57
Plate hardness (Shore A)	77	77
Relief depth (mm)	0.5 – 0.7	0.5 – 0.7
Tonal range (%) at screen ruling of	2 – 95 60 l/cm (150 lpi)	1 – 98 60 l/cm (150 lpi)
Fine line width (down to µm)	100	100
Isolated dot diameter (down to µm)	200	200

Processing parameters²		
Back exposure² (s)	10 – 40	10 – 40
Main exposure (s)	30 – 150	30 – 150
Washout speed (mm/min) in flowline washer	200 – 250	200 – 250
Washout time (min) in compact washer with plush	2 – 2.5	2 – 2.5
Washout at temperature	22 – 30 °C (72 – 86 °F)	22 – 30 °C (72 – 86 °F)
Drying time at 60 °C / 140 °F (min)	15 – 20	15 – 20
Post exposure UV-A (min)	2	2
Light finishing UV-C (min)	-	-

¹ non-standard product

² recommended back exposure times when using a screen film

¹ standard thicknesses currently available – subject to change

² All processing parameters depend on, among 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

Suitable 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 according to DIN ISO 9001 and DIN ISO 14001 standards and requirements. This process in accordance with environmental management requirements, guarantees our customers consistent high quality products and services.

You are welcome to contact us for further information.

Flint Group Flexographic Products
Sieglestrasse 25
70469 Stuttgart
Germany

T +49 711 9816-301
F +49 711 9816-801
info.flexo@flintgrp.com
www.flintgrp.com

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