

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

# 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 varnishes
- For high quality halftone flexo printing
- Outstanding performance in printing of finest elements (up to 60 L/cm)
- Designed for labels and flexible packaging (narrow and mid web)
- Excellent area coverage
- Very good ink transfer

## Efficient, reliable and fast plate processing

- Washable with tap water – no solvents or auxiliaries required
- High efficiency due to 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 film	polyester film
<b>Colour of raw plate</b>	blue	blue, with black LAMS layer
<b>Total thickness<sup>1</sup> (mm)</b> <b>(inch)</b>	<b>1.14</b> <b>(0.045“)</b>	<b>1.14</b> <b>(0.045“)</b>
<b>Hardness acc. to DIN 53505 (Shore A)</b>	<b>57</b>	<b>57</b>
<b>Plate hardness (Shore A)</b>	<b>77</b>	<b>77</b>
<b>Relief depth (mm)</b>	<b>0.5 – 0.7</b>	<b>0.5 – 0.7</b>
<b>Tonal range (%)</b> <b>at screen ruling of</b>	<b>2 – 95</b> <b>60 l/cm (150 lpi)</b>	<b>1 – 98</b> <b>60 l/cm (150 lpi)</b>
<b>Fine line width (down to µm)</b>	<b>100</b>	<b>100</b>
<b>Isolated dot diameter (down to µm)</b>	<b>200</b>	<b>200</b>

<b>Processing parameters<sup>2</sup></b>		
<b>Back exposure<sup>2</sup> (s)</b>	<b>15 – 40</b>	<b>15 – 40</b>
<b>Main exposure (min)</b>	<b>1 – 2</b>	<b>1 – 2</b>
<b>Washout speed (mm/min) in flowline washer</b>	<b>170</b>	<b>170</b>
<b>Washout time (min) in compact washer with plush</b>	<b>2 – 2.5</b>	<b>2 – 2.5</b>
<b>Washout at temperature</b>	<b>22 – 30 °C (72 – 86 °F)</b>	<b>22 – 30 °C (72 – 86 °F)</b>
<b>Drying time at 60 °C / 140 °F (min)</b>	<b>15 – 20</b>	<b>15 – 20</b>
<b>Post exposure UV-A (min)</b>	<b>2</b>	<b>2</b>
<b>Light finishing UV-C (min)</b>	<b>-</b>	<b>-</b>

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

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

<sup>1</sup> standard thicknesses currently available – subject to change

<sup>2</sup> 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 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 9816-541  
F +49 711 9816-801  
info.flexo@flintgrp.com  
www.flintgrp.com

The aim of our technical documents is to inform and advise our customers. The information provided herein is correct to the best of Flint Group's knowledge. No liability for any errors, facts or opinions is accepted. Customers must satisfy themselves as to the suitability of this product for their application. No responsibility for any loss as a result of any person placing reliance on any material contained herein will be accepted. Product names followed by ® are trademarks registered by Flint Group (represented by Flint Group US LLC or Flint Group Germany GmbH)

**Get the app!**



2016-09