

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

# nyloflex<sup>®</sup> FAR

Great versatility – the established all around plate

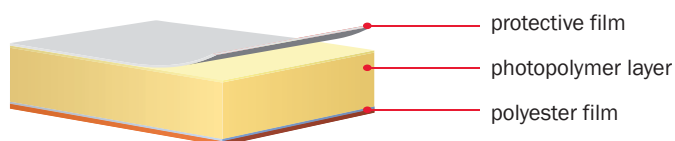
## Versatile and established plate for all substrates

- Established all around plate for standard applications in flexible packaging
- Also suitable for label printing and corrugated preprint
- Suitable for all absorbent and non-absorbent substrates commonly used today
- For printing of basic screens, solids and line work

## Economic & robust

- Easy handling and robust in processing
- Process reliability due to colour change during main exposure
- Wide exposure latitude combined with short main exposure times
- Economic due to long lifetime and durability
- Resistant to ozone
- High resistance to solvent based inks
- Also suitable for use with water based inks, conditionally suitable with UV inks<sup>3</sup>

## Schematic of nyloflex<sup>®</sup> FAR



The nyloflex<sup>®</sup> FAR is a monolayer plate. It consists of a light sensitive photopolymer layer bonded to a polyester film.

**FlintGroup**  
Flexographic Products

# nyloflex® FAR

	nyloflex® FAR					
	114	170	230	254	284	318
<b>Technical characteristics</b>						
<b>Base material</b>	polyester film					
<b>Colour of raw plate</b>	red					
<b>Total thickness<sup>1</sup> (mm)</b> (inch)	<b>1.14</b> (0.045")	<b>1.70</b> (0.067")	<b>2.30</b> (0.091")	<b>2.54</b> (0.100")	<b>2.84</b> (0.112")	<b>3.18</b> (0.125")
<b>Hardness acc. to DIN 53505 (Shore A)</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>
<b>Plate hardness (Shore A)</b>	<b>72</b>	<b>61</b>	<b>55</b>	<b>53</b>	<b>52</b>	<b>52</b>
<b>Relief depth (mm)</b>	<b>0.6 – 0.7</b>	<b>0.7 – 0.9</b>	<b>0.8 – 1.2</b>	<b>0.9 – 1.2</b>	<b>0.9 – 1.2</b>	<b>0.9 – 1.5</b>
<b>Tonal range (%)</b> <b>at screen ruling (l/cm)</b>	<b>2 – 95</b> <b>60</b>	<b>2 – 95</b> <b>60</b>	<b>2 – 95</b> <b>60</b>	<b>2 – 95</b> <b>60</b>	<b>2 – 95</b> <b>60</b>	<b>2 – 95</b> <b>60</b>
<b>Fine line width (down to µm)</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>
<b>Isolated dot diameter (down to µm)</b>	<b>200</b>	<b>200</b>	<b>200</b>	<b>200</b>	<b>200</b>	<b>200</b>

<b>Processing parameters<sup>2</sup></b>						
<b>Back exposure (s)</b>	<b>5 – 25</b>	<b>5 – 25</b>	<b>30 – 80</b>	<b>30 – 80</b>	<b>30 – 80</b>	<b>30 – 80</b>
<b>Main exposure (min)</b>	<b>8 – 15</b>	<b>8 – 15</b>	<b>8 – 24</b>	<b>8 – 24</b>	<b>8 – 24</b>	<b>8 – 24</b>
<b>Washout speed (mm/min)</b>	<b>160 – 200</b>	<b>160 – 200</b>	<b>130 – 170</b>	<b>130 – 170</b>	<b>130 – 170</b>	<b>130 – 170</b>
<b>Drying time at 60 °C / 140 °F (h)</b>	<b>2.0</b>	<b>2.0</b>	<b>3.0</b>	<b>3.0</b>	<b>3.0</b>	<b>3.5</b>
<b>Post exposure UV-A (min)</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
<b>Light finishing UV-C (min)</b>	<b>8 – 12</b>	<b>8 – 12</b>	<b>8 – 12</b>	<b>8 – 12</b>	<b>8 – 12</b>	<b>8 – 12</b>

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

<sup>2</sup> All processing parameters depend on, among others, the processing equipment, lamp age and the type of washout solvent. The above mentioned processing times were established under optimum conditions on nyloflex® processing equipment and using nylosolv® washout solvents. Under other conditions the processing times can differ from these. Therefore the above mentioned values are only to be used as a guide.

<sup>3</sup> 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.

## Suitable equipment

The nyloflex® FAR can be processed with nyloflex® processing equipment and all similar devices.

## Printing inks

Suitable for all solvent based and water based printing inks and conditionally suitable for UV inks.<sup>3</sup> (ethyl acetate content preferably below 15%, ketone content preferably below 5%)

## Washout solvents

Especially good results are achieved with nylosolv® washout solvents. nylosolv® can be distilled and reused.

## 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® 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.

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