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nyloprint® WF SHARP Digital

THE SMART CHOICE
FOR SHARP PRINT

nyloprint® WF SHARP Digital

Water washable, film-based plate for the high-end label market

Flint Group is built around the vision to be the solution provider of choice to the printing and packaging industry. Our nyloprint® printing plates are designed to meet every challenge. Our commitment to our customers to continuously improve our products and services leads to our ambition of making our products and services better, faster and easier to use.

High performance letterpress plate for label printing

- digital label plate for high line screens – up to 200 lpi
- brilliant halftone gradation as the plate is able to reproduce the smallest image details
- latest generation of photopolymer plate technology for homogeneous ink lay-down and high solid density
- fine highlights and smooth vignettes
- great durability for long print runs

Efficient, reliable and fast plate processing

- suitable for all types of processing equipment with plush and brush washers
- excellent storage stability for repeat use
- Consistent reproducibility due to wide exposure latitude combined with deep intermediate depths
- easy adaptation to different cylinder diameters due to very high flexibility of the polyester base
- perfect visual quality control due to excellent transparency of base film and good colour contrast of print relief



PLATE PROCESSING

Digital imaging with up to 10,160 dpi for superior print quality with sharper images, more open reverses and finer highlights. The digital workflow allows data transfer without loss of quality.



SEGMENTS

Ideal for **high quality label print** jobs as well as for aluminum and plastic laminated tubes.

BETTER. FASTER. EASIER TO USE.
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Technical characteristics		
Base material		polyester film
Colour of raw plate		green
Total thickness¹ (mm inch)	WF 80	0.80 0.031
	WF 95	0.95 0.037
Plate hardness (Microshore D Shore D)	WF 80	40 71
	WF 95	39 66
Relief depth (mm inch)	WF 80	0.51 0.020
	WF 95	0.66 0.026
Tonal range (%)		1 – 98
Fine line width (down to µm)		100
Isolated dot diameter (down to µm)		200
Distortion factor (mm inch)	WF 80	4.27 0.168
	WF 95	5.32 0.209

Processing parameters ²	
Laser energy (J/cm²) approx.	2.4
Main exposure (min)	3 – 5
Washout at 30 °C / 86 °F (min) approx.	3 – 5
Washout in flowline equipment at 30 °C / 86 °F (mm/min) approx.	150 – 200
Washout in flowline equipment at 25 °C / 77 °F (mm/min) approx.	130 – 180
Drying time at 60 °C / 140 °F (min)	10 – 15
Post exposure (min)	2

- Suitable equipment** nyloprint® WF SHARP Digital plates can be processed with nyloprint® processing equipment and all similar devices. nyloprint® WF SHARP Digital is suitable with brush and plush washers as well as with tube types 09N and 10R. nyloprint® WF SHARP Digital plates can be used with all laser systems suitable for imaging letterpress plates.
- Printing inks and varnishes** Suitable for UV and oil based inks and 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 nyloprint® User Guide.
- High quality standard** nyloprint® printing plates are manufactured according to DIN ISO 9001, DIN ISO 14001 and DIN ISO 50001 standards and requirements. This process guarantees our customers consistent high quality products and services.

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.

Please contact us for additional information.

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