Be brilliant.

nyloprint® WF
nyloprint® WF Digital

Water washable, film based letterpress printing plates for brilliant print quality

Product features

+ **Wide range of applications**
  + Ideal for adhesive labels, laminate tubes, foils and continuous forms
  + Suitable for rotary letterpress, imprinting units and special-purpose printing presses
+ **Highest print quality**
  + High print contrast with an exceptional tonal range
  + Brilliant halftone gradations due to very fine halftone dots (< 20 micron)
  + Smooth vignettes
  + High resolution – up to 10 160 dpi
  + Excellent solid density due to brilliant ink transfer
  + Very good durability for long print runs
  + Reliably reusable for repeat orders
+ **Efficient, reliable and fast plate processing**
  + Wide exposure latitude combined with high intermediate depths
  + Highly productive and cost saving due to plate processing within 20-35 min
  + Reduced down times on press due to fast replacement of damaged plates
+ **Excellent mounting properties**
  + High transparency of base film
  + Good colour contrast of print relief
  + Excellent adaptation to different cylinders diameters due to very high flexibility of the polyester base

Advantages of nyloprint® Digital

- **Higher print quality**
  + Reproduction of finer details and less dot gain due to digital imaging
  + High dimensional stability
  + No defects caused by dust and damaged films
  + No data loss during transfer
  + Smoother plate surface can achieve higher density
  + Highly consistent especially when repeating plate processing
- **Cost effective and environmentally friendly**
  + No film costs
  + No chemicals for film development
  + Electronic filing of graphics, film storage is redundant
  + Easy and fast data exchange – worldwide

XSYS

Print solid. Stay flexible.

Where printing meets packaging.

nyloprint® WF | nyloprint® WF Digital

		nyloprint® WF-H	nyloprint® WF-Q	nyloprint® WF-S	nyloprint® WF-H Digital
		hard	quick	soft	hard digital
Technical characteristics					
Base material		polyester film			
Colour of raw plate		red			
Total thickness[1] (mm | inch)	WF 70 WF 80 WF 95	0.70 | 0.028 0.80 | 0.031 0.95 | 0.037	on request 0.80 | 0.031 0.95 | 0.037	0.70 | 0.028 0.80 | 0.031 0.95 | 0.037	on request 0.80 | 0.031 0.95 | 0.037
Plate hardness (Shore D)	WF 70 WF 80 WF 95	75 73 68	on request 72 68	72 70 60	on request 73 68
Relief depth (mm | inch)	WF 70 WF 80 WF 95	0.48 | 0.019 0.50 | 0.020 0.65 | 0.026	on request 0.50 | 0.020 0.65 | 0.026	0.56 | 0.022 0.60 | 0.024 0.75 | 0.030	on request 0.50 | 0.020 0.65 | 0.026
Tonal range (%) at screen ruling		2–95 60 l/cm (150 lpi)	2–95 60 l/cm (150 lpi)	2–95 48 l/cm (121 lpi)	1–98 60 l/cm (150 lpi)
Fine line width (down to µm)		100	100	100	100
Isolated dot diameter (down to µm)		200	200	200	200
Distortion factor (mm | inch)	WF 70 WF 80 WF 95	3.82 | 0.150 4.27 | 0.168 5.32 | 0.209	on request 4.27 | 0.168 5.32 | 0.209	3.82 | 0.150 4.63 | 0.182 5.24 | 0.206	on request 4.27 | 0.168 5.32 | 0.209
Processing parameters[2]					
Main exposure (min)		3–5	2–5	3–5	1.5–3.5 (without vacuum film)
Washout at 30°C / 86° F (min)		2.5–3.5	3–3.5	1.5–4	3–3.5
Drying time at 60°C / 140°F (min)		10–15	15	10–20	10–15
Post exposure (min)		2	2	2	2

Processing Equipment

Suitable equipment	nyloprint® WF plates can be processed with nyloprint® processing equipment and all similar devices. nyloprint® WF-Q and nyloprint® WF-S are suitable with brush and plush washers as well as with tube types 09N and 10R. nyloprint® WF 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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