

nyloprint® printing plates – Technical Data

Plate Type	Total thickness* (mm inch)	Plate hardness (Shore D)	Relief depth (mm inch)	Base material	Washout time** (min)	Washout temperature	Drying** (time at temperature)	Main fields of application
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nyloprint® printing plates – water washable

nyloprint® WF-H	0.70 0.028 0.80 0.031 0.95 0.037	75 73 68	0.48 0.019 0.50 0.020 0.65 0.026	Polyester	2.5 3.0 3.5	30 °C 86 °F	10 – 15 min 60 °C 140 °F	Flexible plate for label and rotary letterpress printing, male dies for blind embossing
nyloprint® WF-H Digital	0.80 0.031 0.95 0.037	73 68	0.50 0.020 0.65 0.026	Polyester	3.0 3.5	30 °C 86 °F	10 – 15 min 60 °C 140 °F	Flexible digital plate for label and rotary letterpress printing, male dies for blind embossing
nyloprint® WF-Q	0.80 0.031 0.95 0.037	72 68	0.50 0.020 0.65 0.026	Polyester	3.0 3.5	30 °C 86 °F	15 min 60 °C 140 °F	Flexible plate for label and rotary letterpress printing, also suitable for exposure with 09N-UV-A tubes and also washable with brushes, male dies for blind embossing
nyloprint® WF-M	0.70 0.028 0.80 0.031 0.95 0.037	73 71 63	0.56 0.022 0.50 0.020 0.65 0.026	Polyester	2.0 2.5 3.5	30 °C 86 °F	15 – 30 min 60 °C 140 °F	Flexible, medium durometer plate for label and rotary letterpress printing, for rough or uncoated substrates
nyloprint® WS	0.43 0.017	89	0.20 0.008	Steel	1.0	30 °C 86 °F	10 – 15 min 80 °C 176 °F	Special relief surface for high quality halftone printing, suitable for exposure with metal halide burners, also suitable for pad printing, female dies for blind embossing
	0.58 0.023	84	0.32 0.013	Steel	1.5	30 °C 86 °F	10 – 15 min 80 °C 176 °F	Special relief surface for security printing, letterset, sheetfed rotary letterpress, printing on tubes, cups and cans, also suitable for pad printing
	0.73 0.029 0.83 0.033 0.94 0.037	77 76 73	0.46 0.018 0.56 0.022 0.67 0.026	Steel	2.5 3.0 3.5	30 °C 86 °F	10 – 15 min 80 °C 176 °F	Rotary letterpress and continuous business forms, tubes, cups and cans printing, security printing, flexible plate for flat-bed letterpress with magnetic plate mounting, label printing, female dies for blind embossing
	1.52 0.060 1.75 0.069	75 71	1.20 0.047 1.45 0.057	Steel	5.5 7.0	30 °C 86 °F	2 h 3 h 80 °C 176 °F	Hot moulding plates for mounting magnetically, also for hot foil stamping
	2.25 0.089	47	1.90 0.075	Steel	12.0	45 °C 113 °F	60 min 80 °C 176 °F	Hard stencil plate for security printing
nyloprint® WS Digital	0.73 0.029 0.83 0.033 0.94 0.037	77 76 73	0.46 0.018 0.59 0.023 0.67 0.026	Steel	2.5 3.0 3.5	30 °C 86 °F	10 – 15 min 80 °C 176 °F	Digital steel based plate for letterset in security printing, tubes, cups and cans as well as label printing, continuous business forms
nyloprint® WS-S	2.30 0.091	27	1.95 0.077	Steel	12.0	45 °C 113 °F	60 min 80 °C 176 °F	Soft stencil plate for security printing
nyloprint® WS-S Digital	2.30 0.091	27	1.95 0.077	Steel	12.0	45 °C 113 °F	60 min 80 °C 176 °F	Digital soft stencil plate for security printing
nyloprint® WS-T	0.73 0.029	77	0.56 0.022	Thin steel	3.0	30 °C 86 °F	10 – 15 min 80 °C 176 °F	Letterset, continuous business forms, tubes, cups and cans printing, label printing, high flexibility due to the thin steel base which enables to mount the plate on magnetic cylinders without pre-rounding
nyloprint® WS-W	0.73 0.029	77	0.46 0.018	Steel	2.5	30 °C 86 °F	10 – 15 min 80 °C 176 °F	Special relief surface for security printing, letterset, tubes, cups and cans printing; also suitable for pad printing
nyloprint® WA	0.73 0.029	77	0.40 0.016	Aluminium	2.5	30 °C 86 °F	10 – 15 min 80 °C 176 °F	Letterset in offset machines, format class V and VI (coating, metallic inks, special inks), metal sheet printing
	1.75 0.069	71	0.67 0.026	Aluminium	3.5	30 °C 86 °F	10 – 15 min 80 °C 176 °F	Rigid plate for flat-bed letterpress and label printing
	2.10 0.083 2.40 0.094	80 79	1.05 0.041 1.40 0.055	Aluminium	5.0 7.0	30 °C 86 °F	60 min 3 h 80 °C 176 °F	Rigid moulding plate for making rubber duplicates (hot moulding) and hot foil stamping

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nyloprint® printing plates – water washable

nyloprint® WSA	0.52 0.020	92	0.20 0.008	Steel	2.0	18 °C 64 °F (1 Plush)	20 min 80 °C 176 °F	Gravure plate for security printing (intaglio master plate)
						30 °C 86 °F	20 min 80 °C 176 °F	High quality pad and gravure printing
nyloprint® WSA Digital	0.52 0.020	92	0.20 0.008	Steel	2.0	18 °C 64 °F (1 Plush)	20 min 80 °C 176 °F	Gravure plate for security printing (intaglio master plate)
						30 °C 86 °F	20 min 80 °C 176 °F	High quality pad and gravure printing

nyloprint® printing plates – alcohol washable

nyloprint® S	0.30 0.012	96	0.03 0.001	Steel	1	20 °C 68 °F	15 min 80 °C 176 °F	Pad printing
	0.43 0.017 0.58 0.023	90 86	0.20 0.008 0.32 0.013	Steel	> 3 > 4	35 °C 95 °F	20 min 80 °C 176 °F	Letterset, form printing on continuous letterset machines as well as label printing, metal sheet printing, sheetfed and rotary letterpress printing, suitable for pad printing; nyloprint® S 58 also suitable as female die for blind embossing
nyloprint® ST	0.52 0.020	90	0.20 0.008	Steel	2	20 °C 68 °F	20 min 80 °C 176 °F	Gravure plate for security printing (intaglio master plate), high quality pad and gravure printing

nyloprint® printing plates

Choosing easily the right printing plate for the required application

The product names of the nyloprint® printing plates allows to easily find the right plate.

The example shows what the letters and figures of the name stand for.

nyloprint® WF 95 Q

W – water washable

S – steel

A – aluminium

F – film

plate thickness (e.g. 0.95 mm)

H – hard

M – medium

Q – quick

T – thin

W – security

* Standard thicknesses currently available – subject to change.

** All processing parameters depend on, among others, the processing equipment, lamp age and the type of washout solvent. The above mentioned processing parameters were established under optimum conditions on nyloprint® processing equipment and using our washout solution nyloprint® R 241 NP for the alcohol washable plates. Under other conditions the processing times can differ from these. Therefore the above mentioned values are only to be used as a guide.

You are welcome to contact us for further information!
Details on additional products are available on request.

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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