

nyloprint® printing plates - Technical Data

nyloprint®	Total thickness ¹ (mm)	Total thickness (inch)	Plate hardness (Shore D)	Relief depth (mm)	Relief depth (inch)	Base material	Tonal range (%)	Screen ruling (up to l/cm)	Fine line width (down to µm)	Isolated dot diameter (down to µm)	Washout time ² (min)	Washout temperature (°C)	Washout temperature (°F)	Drying ² (time in min)	Drying temperature (°C)	Drying temperature (°F)	Market Segment
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nyloprint® printing plates – water washable

WF SHARP Digital	0,80	0,031	71	0,51	0,020	Poly	1-98	60	100	200	3,0	30	86	10-15	60	140	Label Printing
WF SHARP Digital	0,95	0,037	66	0,66	0,026	Poly	1-98	60	100	200	3,5	30	86	10-15	60	140	Label Printing
WF-H	0,80	0,031	73	0,5	0,020	Poly	2-95	60	100	200	3,0	30	86	10-15	60	140	Label Printing
WF-H	0,95	0,037	68	0,65	0,026	Poly	2-95	60	100	200	3,5	30	86	10-15	60	140	Label Printing
WF-H Digital	0,80	0,031	73	0,5	0,020	Poly	1-98	60	100	200	3,0	30	86	10-15	60	140	Label Printing
WF-H Digital	0,95	0,037	68	0,65	0,026	Poly	1-98	60	100	200	3,5	30	86	10-15	60	140	Label Printing
WF-Q	0,80	0,031	72	0,5	0,020	Poly	2-95	60	100	200	3,0	30	86	15,0	60	140	Label Printing
WF-Q	0,95	0,037	68	0,65	0,026	Poly	2-95	60	100	200	3,5	30	86	15,0	60	140	Label Printing
WS	0,43	0,017	89	0,2	0,008	Steel	2-95	60	100	200	1,0	30	86	15	80	176	Pad Printing
WS	0,58	0,023	84	0,32	0,013	Steel	2-95	60	100	200	1,5	30	86	15	80	176	Pad Printing
WS	0,73	0,029	77	0,46	0,018	Steel	2-95	60	100	200	2,5	30	86	15	80	176	Label Printing, Pad Printing, Tubes Cups Cans
WS	0,83	0,033	76	0,56	0,022	Steel	2-95	60	100	200	3,0	30	86	15	80	176	Label Printing, Tubes Cups & Cans
WS	0,94	0,037	73	0,67	0,026	Steel	2-95	60	100	200	3,5	30	86	15	80	176	Label Printing, Tubes Cups & Cans
WS	1,52	0,069	75	1,2	0,047	Steel	2-95	60	100	200	5,5	45	113	120	80	176	Moulding and Stamping
WS	1,75	0,069	71	1,45	0,057	Steel	2-95	60	100	200	7,0	45	113	180	80	176	Moulding and Stamping
WS Digital	0,58	0,023	84	0,32	0,013	Steel	1-98	60	100	200	1,5	30	86	10-15	80	176	Pad Printing
WS Digital	0,73	0,029	77	0,46	0,018	Steel	1-98	60	100	200	2,5	30	86	10-15	80	176	Label Printing, Pad Printing, Tubes Cups & Cans
WS Digital	0,83	0,033	76	0,59	0,023	Steel	1-98	60	100	200	3,0	30	86	10-15	80	176	Label Printing, Tubes Cups & Cans
WS Digital	0,94	0,037	73	0,67	0,026	Steel	1-98	60	100	200	3,5	30	86	10-15	80	176	Label Printing, Tubes Cups & Cans
WS-S	2,30	0,091	27	1,95	0,077	Steel	-	-	2000	2000	12,0	45	113	60	80	176	Security Printing
WS-S Digital	2,30	0,091	27	1,95	0,077	Steel	-	-	2000	2000	12,0	45	113	60	80	176	Security Printing
WS-T	0,73	0,029	77	0,56	0,022	Steel	2-95	60	100	200	3,0	30	86	10-15	80	176	Label Printing
WS-T Digital	0,73	0,029	77	0,56	0,022	Steel	1-98	60	100	200	3,0	30	86	10-15	80	176	Label Printing
WS-W Digital	0,73	0,029	77	0,46	0,018	Steel	1-98	60	100	200	2,0	30	86	10-15	80	176	Security Printing, Tubes Cups & Cans
WS-W Digital	0,83	0,033	76	0,56	0,022	Steel	1-98	60	100	200	3,0	30	86	10-15	80	176	Security Printing, Tubes Cups & Cans
WS-W Digital	0,94	0,037	73	0,67	0,026	Steel	1-98	60	100	200	3,5	30	86	10-15	80	176	Security Printing, Tubes Cups & Cans
WA-S Digital	1,16	0,046	38	0,85	0,033	Alu	3-90	150	100	400	160-180	30	86	10	80	176	Security Printing
WA	1,75	0,069	71	0,67	0,026	Alu	2-95	60	100	200	3,5	30	86	10-15	80	176	Label Printing, Flatbed Letterpress
WA	2,10	0,083	80	1,05	0,041	Alu	2-95	60	100	200	5,0	45	113	60	80	176	Moulding and Stamping
WA	2,40	0,094	79	1,4	0,055	Alu	2-95	60	100	200	7,0	45	113	60	80	176	Moulding and Stamping
WSA	0,52	0,020	92	0,2	0,008	Steel	5-95	150	-	-	2,0	18	64	30	80	176	Pad Printing
WSA Digital	0,52	0,020	92	0,2	0,008	Steel	5-95	150	-	-	2,0	18	64	30	80	176	Pad Printing

nyloprint® printing plates – alcohol washable

S*	0,30	0,012	96	0,03	0,001	Steel	5-95	120	-	-	1,0-2,0	20	68	15	80	176	Pad Printing
S*	0,43	0,017	90	0,2	0,008	Steel	5-95	120	100	200	>3,0	20	68	15	80	176	Pad Printing
S*	0,58	0,023	86	0,32	0,013	Steel	2-95	54	100	200	>4,0	20	68	15	80	176	Pad Printing
ST	0,52	0,020	90	0,2	0,008	Steel	5-95	150	-	-	2,0	20	68	20	80	176	

nyloprint® printing plates – direct laser engravable

DLE-S	0,30	0,012	92	0,03	0,001	Steel	5-95	54	-	-	-	-	-	10	60-80	140-176	Pad Printing
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* Non-Standard Plate

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. Note: Exceptions are nyloprint® ST and nyloprint® WSA, which were initially developed for sheetfed gravure: T – Toluol resistant, A – Alcohol resistant

¹ Standard thicknesses currently available – subject to change.

² 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.