

## nyloprint® printing plates - Technical Data

nyloprint®	Total thickness <sup>1</sup> (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 <sup>2</sup> (min)	Washout temperature (°C)	Washout temperature (°F)	Drying <sup>2</sup> (time in min)	Drying temperature (°C)	Drying temperature (°F)	Market Segment
<b>nyloprint® printing plates – water washable</b>																	
<b>WF Sharp D</b>	0,80	0,031	74	0,51	0,020	Poly	1-98	60	100	200	3,0	30	86	10-15	60	140	Label Printing
<b>WF Sharp D</b>	0,95	0,037	70	0,66	0,026	Poly	1-98	60	100	200	3,5	30	86	10-15	60	140	Label Printing
<b>WF-H</b>	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
<b>WF-H</b>	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
<b>WF-H D</b>	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
<b>WF-H D</b>	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
<b>WF-Q</b>	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
<b>WF-Q</b>	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
<b>WS</b>	0,43	0,017	89	0,2	0,008	Steel	2-95	60	100	200	1,0	30	86	15	80	176	Pad Printing
<b>WS</b>	0,58	0,023	84	0,32	0,013	Steel	2-95	60	100	200	1,5	30	86	15	80	176	Pad Printing
<b>WS</b>	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, TCC
<b>WS</b>	0,83	0,033	76	0,56	0,022	Steel	2-95	60	100	200	3,0	30	86	15	80	176	Label Printing, TCC
<b>WS</b>	0,94	0,037	73	0,67	0,026	Steel	2-95	60	100	200	3,5	30	86	15	80	176	Label Printing, TCC
<b>WS</b>	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
<b>WS</b>	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
<b>WS D</b>	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
<b>WS D</b>	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, TCC
<b>WS D</b>	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, TCC
<b>WS D</b>	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, TCC
<b>WS-S</b>	2,30	0,091	27	1,95	0,077	Steel	-	-	2000	2000	12,0	45	113	60	80	176	Security Printing
<b>WS-S D</b>	2,30	0,091	27	1,95	0,077	Steel	-	-	2000	2000	12,0	45	113	60	80	176	Security Printing
<b>WS-T</b>	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
<b>WS-T D</b>	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
<b>WS-W D</b>	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, TCC
<b>WS-W D</b>	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, TCC
<b>WS-W D</b>	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, TCC
<b>WA-S D</b>	1,16	0,046	38	0,85	0,033	Alu	3-90	150	100	400	160-180	30	86	10	80	176	Security Printing
<b>WA</b>	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
<b>WA</b>	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
<b>WA</b>	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
<b>WSA</b>	0,52	0,020	92	0,2	0,008	Steel	5-95	150	-	-	2,0	18	64	30	80	176	Pad Printing
<b>WSA D</b>	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

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

<b>DLE-S</b>	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

<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 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.