

nyloprint® 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 /cm)	"Fine line width (down to µm)"	Isolated dot diameter (down to µm)	"Washout time2 (min)"	Washout temperature (°C)	Washout temperature (°F)	Drying2 (time in min)	Drying temperature (°C)	Drying temperature (°F)	Market Segments TCC = Tubes, Cups & Cans M&S = Moulding & Stamping*
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nyloprint® plates - water washable

WA	1,75	0,069	71	0,67	0,026	Alu	2-95	60	100	200	3,5	30	86	10-15	80	176	Labels, Flatbed
	2,10	0,083	80	1,05	0,041	Alu	2-95	60	100	200	5,0	45	113	60	80	176	M&S
	2,40	0,094	79	1,4	0,055	Alu	2-95	60	100	200	7,0	45	113	60	80	176	M&S
WA-S D	1,16	0,046	38	0,85	0,033	Alu	3-90	150	100	400	160-180	30	86	10	80	176	Security
WF-H	0,80	0,031	73	0,5	0,020	Film	2-95	60	100	200	3,0	30	86	10-15	60	140	Labels
	0,95	0,037	68	0,65	0,026	Film	2-95	60	100	200	3,5	30	86	10-15	60	140	Labels
WF-H D	0,80	0,031	73	0,5	0,020	Film	1-98	60	100	200	3,0	30	86	10-15	60	140	Labels
	0,95	0,037	68	0,65	0,026	Film	1-98	60	100	200	3,5	30	86	10-15	60	140	Labels
WF-Q	0,80	0,031	72	0,5	0,020	Film	2-95	60	100	200	3,0	30	86	15,0	60	140	Labels
	0,95	0,037	68	0,65	0,026	Poly	2-95	60	100	200	3,5	30	86	15,0	60	140	Labels
WF Sharp D	0,80	0,031	74	0,51	0,020	Film	1-98	60	100	200	3,0	30	86	10-15	60	140	Labels
	0,95	0,037	70	0,66	0,026	Film	1-98	60	100	200	3,5	30	86	10-15	60	140	Labels
WS	0,43	0,017	89	0,2	0,008	Steel	2-95	60	100	200	1,0	30	86	15	80	176	Pad
	0,58	0,023	84	0,32	0,013	Steel	2-95	60	100	200	1,5	30	86	15	80	176	Pad
	0,73	0,029	77	0,46	0,018	Steel	2-95	60	100	200	2,5	30	86	15	80	176	Labels, Pad, TCC
	0,83	0,033	76	0,56	0,022	Steel	2-95	60	100	200	3,0	30	86	15	80	176	Labels, Pad, TCC
	0,94	0,037	73	0,67	0,026	Steel	2-95	60	100	200	3,5	30	86	15	80	176	Labels, Pad, TCC
	1,52	0,060	75	1,2	0,047	Steel	2-95	60	100	200	5,5	45	113	120	80	176	M&S
	1,75	0,069	71	1,45	0,057	Steel	2-95	60	100	200	7,0	45	113	180	80	176	M&S
WSA	0,52	0,020	92	0,2	0,008	Steel	5-95	150	-	-	2,0	18	64	30	80	176	Pad
WSA D	0,52	0,020	92	0,2	0,008	Steel	5-95	150	-	-	2,0	18	64	30	80	176	Pad
WS D	0,58	0,023	84	0,32	0,013	Steel	1-98	60	100	200	1,5	30	86	10-15	80	176	Pad
	0,73	0,029	77	0,46	0,018	Steel	1-98	60	100	200	2,5	30	86	10-15	80	176	Labels, Pad, TCC
	0,83	0,033	76	0,59	0,023	Steel	1-98	60	100	200	3,0	30	86	10-15	80	176	Labels, TCC
	0,94	0,037	73	0,67	0,026	Steel	1-98	60	100	200	3,5	30	86	10-15	80	176	Labels, TCC
WS PRO D	0,73	0,029	78	0,46	0,018	Steel	1-98	60	<100	<200	4	30	86	10-15	80	176	TCC, Security
	0,83	0,033	75	0,56	0,022	Steel	1-98	60	<100	<200	4,5	30	86	10-15	80	176	TCC, Security
	0,94	0,037	71	0,67	0,026	Steel	1-98	60	<100	<200	5	30	86	10-15	80	176	TCC, Security, Label
	0,95	0,037	71	0,68	0,027	Steel	1-98	60	<100	<200	5	30	86	10-15	80	176	TCC, Security, Label
WS-S	2,30	0,091	27	1,95	0,077	Steel	-	-	2000	2000	12,0	45	113	60	80	176	Security
WS-S D	2,30	0,091	27	1,95	0,077	Steel	-	-	2000	2000	12,0	45	113	60	80	176	Security
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	Labels
WS T PRO D	0,73	0,029	75	0,56	0,022	Steel	1-98	60	<100	<200	4,5	30	86	10-15	80	176	TCC, Security
WS-T D	0,73	0,029	77	0,56	0,022	Steel	1-98	60	100	200	3,0	30	86	10-15	80	176	Labels
WS-W D	0,73	0,029	77	0,46	0,018	Steel	1-98	60	100	200	2,0	30	86	10-15	80	176	Security, TCC
	0,83	0,033	76	0,56	0,022	Steel	1-98	60	100	200	3,0	30	86	10-15	80	176	Security, TCC
	0,94	0,037	73	0,67	0,026	Steel	1-98	60	100	200	3,5	30	86	10-15	80	176	Security, TCC

nyloprint®	Total thickness1 (mm)	Total thickness (inch)	Plate hardness (Shore D)	Relief depth (mm)	Relief depth (inch)	Base material	Tonal range (%)	Screen ruling (up to /cm)	"Fine line width (down to µm)"	Isolated dot diameter (down to µm)	"Washout time2 (min)"	Washout temperature (°C)	Washout temperature (°F)	Drying2 (time in min)	Drying temperature (°C)	Drying temperature (°F)	"Market Segments TCC = Tubes, Cups & Cans M&S = Moulding & Stamping"
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nyloprint® 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
	0,43	0,017	90	0,2	0,008	Steel	5-95	120	100	200	>3,0	20	68	15	80	176	Pad
	0,58	0,023	86	0,32	0,013	Steel	2-95	54	100	200	>4,0	20	68	15	80	176	Security, M&S
ST	0,52	0,020	90	0,2	0,008	Steel	5-95	150	-	-	2,0	20	68	20	80	176	Pad, Security

nyloprint® 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
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Naming of nyloprint® printing plates

Choosing easily the right plate for the required application

The product names of the nyloprint® printing plates allow to easily find the right plate. The example shows what the letters and figures in 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

nyloprint® WF 95 Q

W - Water washable

S - Steel

A - Aluminium

F - Film

DLE - Direct Laser Engravable

Plate thickness (e.g. 0.95 mm)

H - Hard

T - Thin

O - Quick

W - Security

S - Soft

* Non-Standard Product

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.