

# The nyloflex® printing plates range – conventional and digital

PLATE TYPE	TOTAL THICKNESS (mm / inch)	HARDNESS ACCORDING TO DIN 53505 (Shore A)	PLATE HARDNESS (Shore A)	RELIEF DEPTH (mm)	TONAL RANGE (%)	SCREEN RULING (up to l/ cm)	FINE LINE WIDTH (down to µm)	ISOLATED DOT DIAMETER (down to µm)	BACK EXPOSURE (sec)	MAIN EXPOSURE (min)	WASHOUT SPEED (mm/min)	DRYING TIME AT 60 °C/140 °F (hrs)	POST EXPOSURE (UVA) (min)	LIGHT FINISHING (UVC) (min)
nyloflex® ACE	0.76 / 0.030	62	88	0.6	2-95	60	100	200	10-20	8-20	200-250	1.0-1.5	10	7-15
	1.14 / 0.045		78	0.6-0.7	2-95	60	100	200	25-45	8-20	200-250	1.5-2.0	10	7-15
	1.70 / 0.067		70	0.7-0.9	2-95	60	100	200	35-50	8-20	200-250	1.5-2.0	10	7-15
	2.54 / 0.100		66	0.9-1.2	2-95	60	100	200	50-85	8-20	200-250	2.0-3.0	10	7-15
	2.72 / 0.107		65	0.9-1.2	2-95	60	100	200	50-85	8-20	200-250	2.0-3.0	10	7-15
2.84 / 0.112	64	0.9-1.2	2-95	60	100	200	50-85	8-20	200-250	2.0-3.0	10	7-15	7-15	
nyloflex® ACE-DII	0.76 / 0.030	62	88	0.6	1-98	60	100	200	10-20	15-20	200-250	1.0-1.5	10	7-15
	1.14 / 0.045		78	0.6-0.7	1-98	60	100	200	25-45	15-20	200-250	1.5-2.0	10	7-15
	1.70 / 0.067		70	0.7-0.9	1-98	60	100	200	35-50	15-20	200-250	1.5-2.0	10	7-15
	2.54 / 0.100		66	0.9-1.2	2-98	60	100	200	50-85	15-20	200-250	2.0-3.0	10	7-15
nyloflex® AFC	1.14 / 0.045	62	78	0.5-0.7	1-98	60	100	200	25-45	12-20	220-360	1.5-2.0	10	10
	1.70 / 0.067		70	0.5-0.7	1-98	60	100	200	50-95	12-20	220-360	1.5-2.0	10	10
nyloflex® FAH	1.14 / 0.045	60	77	0.6-0.7	2-95	60	100	200	9-24	8-15	160-180	2.0	10	15
	1.70 / 0.067		69	0.7-0.9	2-95	60	100	200	9-24	8-15	160-180	2.0	10	15
	2.54 / 0.100		64	0.9-1.2	2-95	60	100	200	45-120	8-24	130-170	2.5-3.0	10	15
	2.84 / 0.112		63	0.9-1.2	2-95	60	100	200	45-120	8-24	130-170	2.5-3.0	10	15
nyloflex® FAH-DII	1.14 / 0.045	60	77	0.6-0.7	1-98	60	100	200	9-24	15-20	160-180	2.0	10	15
	1.70 / 0.067		69	0.7-0.9	1-98	60	100	200	9-24	15-20	160-180	2.0	10	15
	2.54 / 0.100		64	0.9-1.2	2-95	60	100	200	45-120	15-20	130-170	2.5-3.0	10	15
	2.84 / 0.112		63	0.9-1.2	2-95	60	100	200	45-120	15-20	130-170	2.5-3.0	10	15
nyloflex® ACT	1.14 / 0.045	50	74	0.6-0.7	2-95	60	100	200	25-50	8-20	200	2.0-3.0	10	10
	1.70 / 0.067		62	0.7-0.9	2-95	60	100	200	25-50	8-20	200	2.0-3.0	10	10
	2.54 / 0.100		54	0.9-1.2	2-95	60	100	200	25-50	8-20	200	2.0-3.0	10	10
	2.72 / 0.107		53	0.9-1.2	2-95	60	100	200	25-50	8-20	200	2.0-3.0	10	10
	2.84 / 0.112		52	0.9-1.2	2-95	60	100	200	25-50	8-20	200	2.0-3.0	10	10
nyloflex® ACT-DII	1.14 / 0.045	50	74	0.6-0.7	1-98	60	100	200	25-50	15-20	200	2.0-3.0	10	10
	1.70 / 0.067		62	0.7-0.9	1-98	60	100	200	25-50	15-20	200	2.0-3.0	10	10
	2.54 / 0.100		54	0.9-1.2	2-98	60	100	200	25-50	15-20	200	2.0-3.0	10	10
	2.72 / 0.107		53	0.9-1.2	2-98	60	100	200	25-50	15-20	200	2.0-3.0	10	10
	2.84 / 0.112		52	0.9-1.2	2-98	60	100	200	25-50	15-20	200	2.0-3.0	10	10
nyloflex® FAR	1.14 / 0.045	50	73	0.6-0.7	2-95	60	100	200	5-25	8-15	160-200	1.5-2.0	10	15
	1.70 / 0.067		62	0.7-0.9	2-95	60	100	200	5-25	8-15	160-200	2.0	10	15
	2.30 / 0.091		58	0.8-1.2	2-95	60	100	200	30-80	8-24	130-170	2.5-3.0	10	15
	2.54 / 0.100		55	0.9-1.2	2-95	60	100	200	30-80	8-24	130-170	2.5-3.0	10	15
	2.72 / 0.107		54	0.9-1.2	2-95	60	100	200	30-80	8-24	130-170	2.5-3.0	10	15
	3.18 / 0.112		53	0.9-1.2	2-95	60	100	200	30-80	8-24	130-170	2.5-3.0	10	15
3.84 / 0.125	52	0.9-1.5	2-95	60	100	200	30-80	8-24	130-170	3.0-3.5	10	15		
nyloflex® ART	1.14 / 0.045	40	73	0.6-0.7	2-95	60	100	200	15-30	8-20	130-190	1.5-2.0	10-15	7-12
	1.70 / 0.067		57	0.7-0.9	2-95	60	100	200	20-40	8-20	130-190	2.0-2.5	10-15	7-12
	2.54 / 0.100		48	0.9-1.2	2-95	60	100	200	40-60	8-20	130-190	2.0-3.0	10-15	7-12
	2.72 / 0.107		46	0.9-1.2	2-95	60	100	200	70-90	8-20	130-190	2.0-3.0	10-15	7-12
	2.84 / 0.112		45	0.9-1.2	2-95	60	100	200	80-120	8-20	130-190	2.0-3.0	10-15	7-12
nyloflex® ART-DII	1.14 / 0.045	40	73	0.6-0.7	1-98	60	100	200	15-30	15-20	130-190	1.5-2.0	10-15	7-12
	1.70 / 0.067		57	0.7-0.9	1-98	60	100	200	20-40	15-20	130-190	2.0-2.5	10-15	7-12
	2.54 / 0.100		48	0.9-1.2	2-95	60	100	200	40-60	15-20	130-190	2.0-3.0	10-15	7-12
	2.84 / 0.112		45	0.9-1.2	2-95	60	100	200	80-120	15-20	130-190	2.0-3.0	10-15	7-12
	3.94 / 0.155		41	1.0-1.5	3-90	48	300	750	100-150	15-20	130-190	2.0-3.0	10-15	7-12
nyloflex® FAC-X	2.84 / 0.112	32	38	0.9-1.2	2-95	48	100	200	50-150	7-16	130-150	2.5-3.0	10-15	10-15
	3.18 / 0.125		36	0.9-1.5	2-95	48	100	200	50-200	7-16	130-150	2.5-3.0	10-15	10-15
	3.94 / 0.155		35	1.0-1.5	3-95	40	300	750	50-200	7-16	130-150	2.5-3.0	10-15	10-15
	4.32 / 0.170		34	1.2-2.0	3-95	40	300	750	50-200	8-20	130-150	3.0-3.5	10-15	10-15
	4.70 / 0.185		33	1.2-2.2	3-95	40	300	750	80-200	8-20	130-150	3.0-3.5	10-15	10-15
	5.00 / 0.197		32	1.8-2.8	3-95	40	300	750	80-200	8-20	130-150	3.0-3.5	10-15	10-15
	5.50 / 0.217		32	2.0-3.0	3-95	40	300	750	80-200	8-20	130-150	3.0-3.5	10-15	10-15
	6.00 / 0.236		32	2.2-3.0	3-95	40	300	750	80-300	8-20	130-150	3.5-4.0	10-15	10-15
	6.35 / 0.250		31	2.2-3.0	3-95	40	300	750	80-300	8-20	130-150	3.5-4.0	10-15	10-15
nyloflex® FAC-DII	2.84 / 0.112	32	38	0.9-1.2	2-95	48	100	200	50-150	15-20	130-150	2.5-3.0	10-15	10-15
	3.18 / 0.125		36	1.0-1.2	2-95	48	100	200	50-150	15-20	130-150	2.5-3.0	10-15	10-15
	3.94 / 0.155		35	1.0-1.5	3-95	40	300	750	50-200	15-20	130-150	2.5-3.0	10-15	10-15
	4.70 / 0.185		33	1.2-2.2	3-95	40	300	750	80-200	15-20	130-150	3.0-3.5	10-15	10-15
	5.50 / 0.217		32	1.2-2.2	3-95	40	300	750	80-200	15-20	130-150	3.0-3.5	10-15	10-15

Standard thicknesses currently available – subject to change.

All processing parameters depend on amongst others the processing equipment, lamp age and the type of washout solution. The above mentioned processing times were established on nyloflex® equipment and using nylosolv® A washout solutions. The processing times can differ from these when other equipment and washout solution is used. Therefore the above mentioned values are only to be used as a guide. We recommend our nylosolv® washout solutions.

## The nyloflex® printing plates range for special applications

PLATE TYPE	TOTAL THICKNESS (mm / inch)	HARDNESS ACCORDING TO DIN 53505 (Shore A)	PLATE HARDNESS (Shore A)	RELIEF DEPTH (mm)	TONAL RANGE (%)	SCREEN RULING (up to l/cm)	FINE LINE WIDTH (down to µm)	ISOLATED DOT DIAMETER (down to µm)	BACK EXPOSURE (sec)	MAIN EXPOSURE (min)	WASHOUT SPEED (mm/min)	DRYING TIME AT 60 °C/140 °F (hrs)	POST EXPOSURE (UVA) (min)	LIGHT FINISHING (UVC) (min)
nyloflex® sprint	1.14 / 0.045	57	77	0.9	2-95	60	55	200	-	1-2	250	30 min	2	-
nyloflex® FE*	1.14 / 0.045	48	70	0.7	n.a.	n.a.	300	750	20-30	6-10	80-100	3	10	-

\*An additional front side pre-exposure is required through the cover film: 6-15 seconds.

## The nyloflex® printing plates range for print finishing – conventional and digital

PLATE TYPE	TOTAL THICKNESS (mm / inch)	HARDNESS ACCORDING TO DIN 53505 (Shore A)	PLATE HARDNESS (Shore A)	RELIEF DEPTH (mm)	TONAL RANGE (%)	SCREEN RULING (up to l/cm)	FINE LINE WIDTH (down to µm)	ISOLATED DOT DIAMETER (down to µm)	BACK EXPOSURE (sec)	MAIN EXPOSURE (min)	WASHOUT SPEED (mm/min)	DRYING TIME AT 60 °C/140 °F (hrs)	POST EXPOSURE (UVA) (min)	LIGHT FINISHING (UVC) (min)
nyloflex® Gold A	1.16 / 0.046	62	78	0.85	3-90	48	100	400	-	10-15	120-160	2	10-15	10-15
nyloflex® Gold A-DII	1.16 / 0.046	62	78	0.85	2-99	48	80	200	-	10-15	120-160	2	10-15	10-15
nyloflex® Seal F	1.16 / 0.046	36	72	0.9	3-90	48	300	750	-	10-15	120-140	2	10-15	10-20

Standard thicknesses currently available – subject to change.

All processing parameters depend on amongst others the processing equipment, lamp age and the type of washout solution. The above mentioned processing times were established on nyloflex® equipment and using nylosolv® A washout solutions. The processing times can differ from these when other equipment and washout solution is used. Therefore the above mentioned values are only to be used as a guide. We recommend our nylosolv® washout solutions.

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