

DuPont™ Cyrel® Printing Plates – Technical Data

The data have been evaluated with ECDLF exposure frame (cooled bed)

UVA output: ca. 18 mW / cm²

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The main exposure time of analog plates is influenced by the film quality - so customer specific adjustments might be recommended.

Same should be considered for the image (Screen ruling, etc.)

Data in the list are benchmark data (also the durometer!) : Customer specific / job specific adjustments might be needed / recommended

For achieving a good and reproducible plate quality it is crucial that the UVA lamps are warmed up before back and main exposure.

It is recommended to test tin (in particular the back exposure time) for each new batch that will be used!

Polymer	Thickness [mil]	Thickness [mm]	Durometer Processed pate [°ShA]	Back exposure tim [sec]	Relief depth [mm]	Main exposure time [min]	Wash Out Time Smart XL Solvent : FlexoSol® 3-5% Solid Solvent temperature: 30°C	Dryingg 60°C [h] ± 5°C	Post exposure UVA	Finishing UVC
HIQS	45	1,14	78	25-30	0.6	12	420sec	2-3	3-4	5-7
	67	1,70	70	60-70	0.6-0,7	12	450sec	2-3	3-4	5-7
NOW	45	1,14	76	35-40	0.6	10-12	420sec	2-3	2-3	6-8
	67	1,70	68	80-90	0.6-0,7	10-12	450sec	2-3	2-3	6-8
	100	2,54	56	90-100	0,8-0,9	12	480sec	3	2-3	6-8
	112	2,84	54	110-130	0,9-1,0	12	480sec	3	2-3	6-8
NEOS	45	1,14	72	35-40	0.6	8-10	420sec	2-3	3	6-8
	67	1,70	63	30-35	0.6-0,7	8-10	450sec	2-3	3	6-8
	100	2,54	48	80-90	0,8-0,9	8-10	480sec	3	3	6-8
	112	2,84	46	120-140	0,9-1,0	8-10	480sec	3	3	6-8
UEP	45	1,14	71	25-30	0.6	10	420sec	2-3	3	6-8
	67	1,70	63	10-12	0.6-0,7	10-12	450sec	2-3	3	6-8
	100	2,54	47	40-60	0,8-0,9	10-12	480sec	3	3	6-8
	112	2,84	46	115-130	0,9-1,0	10-12	480sec	3	3	6-8
TDR	112	2,84	38	40-50	0,9-1,0	10-12	480sec	3	3	5-8
	125	3,20	38	40-50	1.2	10-12	540sec	3	3	5-8
	155	3,90	37	60-80	1,5-2,0	13-15	720sec	3	3	5-8
	170	4,30	36	70-90	1,5-2,0	14-16	720sec	3	3	5-8
	185	4,70	36	100-130	1,5-2.5	14-16	900sec	3	3	5-8
	197	5,00	35	100-130	2-2.5	14-16	900sec	3	3	5-8
	217	5,50	35	110-140	2-2.5	14-16	900sec	3	3	5-8
	237	6,00	34	130-150	2-2.5	14-16	960sec	3	3	5-8
TCP	250	6,35	32	160-180	2-2.5	16-18	960sec	3	3	5-8
	217 TCP	5,50	36	80-120	2-2.5	14-16	900sec	3	3	5-8
	237 TCP	6,00	35	80-120	2-2.5	15-16	960sec	3	3	5-8
	250 TCP	6,35	35	90-130	2-2.5	15-16	960sec	3	3	5-8

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