

DuPont Cyrel® Process - Parameter for Digital - Plates

Data refer to 1000 ECLF exposure unit .

Valied for UVA Output: 18-20 mW/cm²

Version from December 2015

Valied for UVA/ UVC output in light finisher of: 18 mW/cm²

For uniform results you need a stabile process! Tubes have to be warmed up properly before exposure and after longer breaks !

Attached data are average peaks, determined over longer period. They are usable as Guideline. Variations are possible: Please test new Batches separate!

Polymer-Type	Thickness [mil]	Thick-ness [mm]	Hardness processed plate [°ShA]	Backflash time [sec] 18-20 mW/cm ²	for Relief depth [mm]	Main Exposure time-screen [min] for std. digital 18-20 mW/cm ²	Washout time for Smart Processor Solvent : FlexoSol-1® 3,5% Solid Solvent temperature: 30°C	Drying time 60°C [h] ± 5°C	Post Exposure time [min] 18mW/cm ²	Finishing time [min] 18 mW/cm ²
DPI	30	0,76	80	5-10	0,6	9	360sec	2	3-4	4-5
	45	1,14	78	35-45	0,6	9-10	420sec	2-3	3-4	4-5
	67	1,70	70	70-90	0,6-0,7	10	450sec	2-3	3-4	4-5
DPH	100	2,54	67	40-50	0,8-0,9	10	480sec	3	3-4	5
DPR	45	1,14	76	35-45	0,6	9	420sec	2-3	4-5	5
	67	1,70	69	70-90	0,6-0,7	10	450sec	2-3	4-5	5
	100	2,54	47	60-80	0,8-0,9	11	480sec	3	4-5	5
	112	2,84	46	70-90	0,9-1,0	11	540-600sec	3	4-5	5
DPN	45	1,14	76	40-50	0,6	6-8	420sec	2-3	2-3	6-8
	67	1,70	68	95-105	0,6-0,7	6-8	450sec	2-3	2-3	6-8
	100	2,54	56	90-110	0,8-0,9	8	480sec	3	2-3	6-8
	112	2,84	52	110-130	0,9-1,0	9-10	540-600sec	3	2-3	6-8
DS2	45	1,14	71	35-45	0,6	9	420sec	2-3	2	8-10
	67	1,70	62	20-30	0,6-0,7	9-10	450sec	2-3	2	8-10
	100	2,54	49	90-100	0,8-0,9	9-10	480sec	3	2	8-10
	112	2,84	47	110-120	0,9-1,0	10-12	540-600sec	3	2	8-10
DPU	45	1,14	78	60-70	0,6	8-10	420sec	2-3	2-4	5-6
	67	1,70	74	50-60	0,6-0,7	10	450sec	2-3	2-4	5-6
	100	2,54	69	40-60	0,8-0,9	11	480sec	3	2-4	5-6
	112	2,84	67	80-90	0,9-1,0	12	540-600sec	3	2-4	5-6
DSP	45	1,14	72	60-70	0,6	9	420sec	2-3	4-5	4-5
	67	1,70	64	65-75	0,6-0,7	9-10	450sec	2-3	4-5	4-5
ESX	45	1,14	75	15-18	0,6	6-8	420sec	2-3	3	3
	67	1,70	66	15-18	0,6-0,7	6-8	450sec	2-3	3	3
ESE	45	1,14	75	15-18	0,6	6-8	420sec	2-3	3	3
	67	1,70	64	15-18	0,6-0,7	6-8	450sec	2-3	3	3

DuPont Cyrel® Process - Parameter for Digital - Plates

Data refer to 1000 ECLF exposure unit .

Valied for UVA Output: 18-20 mW/cm²

Version from December 2015

Valied for UVA/ UVC output in light finisher of: 18 mW/cm²

For uniform results you need a stabile process! Tubes have to be warmed up properly before exposure and after longer breaks !

Attached data are average peaks, determined over longer period. They are usable as Guideline. Variations are possible: Please test new Batches separate!

Polymer-Type	Thickness [mil]	Thick-ness [mm]	Hardness processed plate [°ShA]	Backflash time [sec] 18-20 mW/cm ²	for Relief depth [mm]	Main Exposure time-screen [min] 18-20 mW/cm ²	Washout time for Smart Processor	Drying time 60°C [h] ± 5°C	Post Exposure time [min] 18mW/cm ²	Finishing time [min] 18 mW/cm ²
							Solvent : FlexoSol-I [®] 3,5% Solid Solvent temperature: 30°C			
DPC	112	2,84	38	40-55	1,0-1,2	10-12	600sec	3	3	5-6
	125	3,20	38	30-50	1,2-1,5	12-14	780-900sec	3	3	5-6
	155	3,90	37	90-110	1,5-2,0	12-14	840-960sec	3	3	5-6
	170	4,30	36	70-90	1,5-2,0	14-16	840-960sec	3	3	5-6
	185	4,70	36	135-155	1,8-2,2	14-16	960-1080sec	3	3	5-6
	197	5,00	35	110-130	2,0-2,5	14-16	960-1080sec	3	3	5-6
	217	5,50	35	110-140	2,0-2,5	14-16	960-1080sec	3	3	5-6
	237	6,00	34	110-140	2,0-2,5	15-16	960-1080sec	3	3	5-6
DEC	112	2,84	40	30-50	1,0-1,2	10-12	600sec	3	3	5-8
	125	3,20	38	50-70	1,2-1,5	12-14	780-900sec	3	3	5-8
	155	3,90	37	50-70	1,5-2,0	12-14	840-960sec	3	3	5-8
	170	4,30	36	70-100	1,5-2,0	14-16	840-960sec	3	3	5-8
	185	4,70	36	70-100	1,8-2,2	14-16	960-1080sec	3	3	5-8
	217	5,50	36	90-120	2,0-2,5	14-16	960-1080sec	3	3	5-8
	250	6,35	35	90-130	2,0-2,5	15-16	960-1080sec	3	3	5-8

All technical information set out herein is provided free of charge and is based on technical data, which DuPont believes to be reliable.

It is intended for use by persons having skill, at their own discretion and risk. The handling precaution information contained herein is given

with the understanding that those using it will satisfy themselves that their particular conditions of use present no health or safety hazards.

Since conditions of product use are outside of our control we make no warranties express or implied in relation there to and therefore

cannot accept any liability in connection with any use of this information. Nothing herein is to be taken as a licence to operate under, or a recommendation to infringe any patents.