

Solvent Flexo Printing Plates

For Flexible Packaging and Labels

SF-GL Analog Flexo Plates

- Medium hard plate, optimized for the printing of designs that combine halftones and solids in one plate
- Ideal for all absorbent and non-absorbent commonly used substrates (i.e. plastic and aluminium foil, coated and uncoated boards, preprint liner)
- High solid density and minimum dot gain in the halftone
- Wide exposure latitude and good relief depths
- Suitable for the use with water and alcohol-based printing inks

SF-DGL Digital Flexo Plates

- Superior printing quality with sharper images, more open intermediate depths, finer highlight dots and less dot gain, i.e. larger range of tonal values therefore improved contrast
- Increased productivity and data transfer without loss of quality due to digital workflow
- Consistency in quality when repeating plate processing
- Cost effective and more environmentally friendly in processing, as no film is required

SF-DG Digital Flexo Plates

- A softer digital plate than SF-DGL, which is suitable for label and tags, folding cartons, and sacks, paper, multiwall printing
- Increased productivity and data transfer without loss of quality due to digital workflow
- Consistency in quality when repeating plate processing
- Cost effective and more environmentally friendly in processing, as no film is required

For Corrugated

SF-GT Analog Flexo Plates

- Especially for printing on coarse corrugated fluted board, with uncoated and half coated papers
- Ideal for retail packages with simple designs
- Optimized for use in inline corrugated print production
- Very good ink transfer with excellent area coverage and high solid density
- Perfect adaptation to corrugated board surfaces reduces washboard effect
- Less plate cleaning due to special surface properties
- Extremely robust and durable material thus
 - high print run stability
 - excellent storage capability
 - low swelling characteristic
 - high resistance to ozone

SF-DGT Digital Flexo Plates

- Superior printing quality with sharper images, more open intermediate depths, finer highlight dots and less dot gain, i.e. larger range of tonal values therefore improved contrast

- Increased productivity and data transfer without loss of quality due to digital workflow
- Consistency in quality when repeating plate processing
- Cost effective and more environmentally friendly in processing, as no film is required

SF-DGS Digital Flexo Plates

- Softer and lower durometer compared to SF-DGT, perfect adaptation to corrugated board surfaces and reduces washboard effect
- Superior printing quality with sharper images, more open intermediate depths, finer highlight dots and less dot gain, i.e. larger range of tonal values therefore improved contrast
- Increased productivity and data transfer without loss of quality due to digital workflow
- Consistency in quality when repeating plate processing
- Cost effective and more environmentally friendly in processing, as no film is required

SF-L Analog Flexo Plates

High plate hardness for reliable print quality

- suitable for a broad range of substrates
- very good and consistent ink transfer with excellent area coverage
- high solid density and minimum dot gain in the halftones
- intermediate depths with excellent contour definition

Efficient handling and superior durability

- convenient plate processing with short exposure times, light finishing could be avoided
- high print run stability due to superior resistance against mechanical stress
- long lifetime due to robust and durable material
- reduced cleaning cycles due to special surface properties

Technical Characteristics and Processing Parameters

	SF-GL	
	Analogue Plate for Label & Flexible Packaging	
	170	228
Technical Characteristics		
Thickness (mm/inch)	1.70/0.067	2.28/0.090
Hardness(Shore Å)	64	53
Image Reproduction	2 – 95% 133lpi	2 – 95% 133lpi
Minimum Isolated Line(mm)	0.15	0.15
Minimum Isolated Dot(mm)	0.25	0.25

Processing Parameters		
Back Exposure(s)	20-30	30-40
Main Exposure(min)	6-12	6-12
Washout Speed(mm/min)	140-180	140-180
Drying Time (h)	1.5-2	1.5-2
Post ExposureUV-A (min)	5	5
Light Finishing UV-C (min)	5	5

SF-DGL			
Digital Plate for Label & Flexible Packaging			
	114	170	228
Technical Characteristics			
Thickness (mm/inch)	1.14/0.045	1.70/0.067	2.28/0.090
Hardness(Shore Å)	75	67	55
Image Reproduction	1 – 98% 175lpi	1 – 98% 175lpi	2 – 95% 150lpi
Minimum Isolated Line(mm)	0.10	0.10	0.10
Minimum Isolated Dot(mm)	0.15	0.15	0.20

Processing Parameters			
Back Exposure(s)	40-60	50-70	80-100
Main Exposure(min)	10-15	10-15	10-15
Washout Speed(mm/min)	160-180	140-180	130-170
Drying Time (h)	1.5-2	1.5-2	2-2.5
Post ExposureUV-A (min)	5	5	5
Light Finishing UV-C (min)	4	4	4

SF-DG			
Digital Plate for Label & Flexible Packaging			
	170	254	284
Technical Characteristics			
Thickness (mm/inch)	1.70/0.067	2.54/0.100	2.84/0.112
Hardness(Shore Å)	62	55	52
Image Reproduction	1 – 98% 150lpi	2 – 95% 150lpi	2 – 95% 130lpi
Minimum Isolated Line(mm)	0.10	0.10	0.10
Minimum Isolated Dot(mm)	0.15	0.15	0.20

Processing Parameters			
Back Exposure(s)	50-70	80-100	80-100
Main Exposure(min)	10-15	10-15	10-15
Washout Speed(mm/min)	140-180	130-170	120-140
Drying Time (h)	1.5-2	2-2.5	2-2.5
Post ExposureUV-A (min)	5	5	5
Light Finishing UV-C (min)	4	4	4

SF-GT									
Analogue Plate for Carton (2.54) & Corrugated									
	254	284	318	394	470	500	550	635	700

Technical Characteristics									
Thickness (mm/inch)	2.54/ 0.100	2.84/ 0.112	3.18/ 0.125	3.94/ 0.155	4.70/ 0.185	5.00/ 0.197	5.50/ 0.217	6.35/ 0.250	7.00/ 0.275
Hardness(Shore Å)	44	41	40	38	37	36	35	35	35

Image Reproduction	2 – 95% 100lpi	3 – 95% 100lpi	3 – 95% 80lpi	3 – 90% 80lpi	3 – 90% 80lpi	3 – 90% 80lpi	3 – 90% 60lpi	3 – 90% 60lpi	3 – 90% 60lpi
Minimum Isolated Line(mm)	0.15	0.20	0.30	0.30	0.30	0.30	0.30	0.30	0.30
Minimum Isolated Dot(mm)	0.25	0.30	0.50	0.50	0.50	0.50	0.50	0.50	0.50

Back Exposure(s)	30-40	40-60	60-80	80-100	90-110	90-110	150-200	250-300	280-320
Main Exposure(min)	6-12	8-15	8-15	8-15	8-18	8-18	8-18	8-18	8-18
Washout Speed(mm/min)	140-180	140-160	120-140	90-120	70-100	60-90	50-90	50-90	50-90
Drying Time (h)	1.5-2	1.5-2	1.5-2	2-2.5	2-2.5	3	3	3	3
Post ExposureUV-A (min)	5	8	8	8	8	8	8	8	8
Light Finishing UV-C (min)	5	5	5	5	5	5	5	5	5

SF-L							
Analogue Plate for Carton (2.54) & Corrugated							
254	284	318	394	470	550	700	

Technical Characteristics							
Thickness (mm/inch)	2.54/ 0.100	2.84/ 0.112	3.18/ 0.125	3.94/ 0.155	4.70/ 0.185	5.50/ 0.217	7.00/ 0.275
Hardness(Shore Å)	50	48	47	43	42	40	40
Image Reproduction	3 – 95% 100lpi	3 – 95% 100lpi	3 – 95% 100lpi	3 – 90% 80lpi	3 – 90% 80lpi	3 – 90% 60lpi	3 – 90% 60lpi
Minimum Isolated Line(mm)	0.30	0.30	0.30	0.30	0.30	0.30	0.30
Minimum Isolated Dot(mm)	0.50	0.50	0.50	0.50	0.50	0.50	0.50

Back Exposure(s)	30-40	35-60	50-70	60-80	90-110	150-200	280-320
Main Exposure(min)	8-15	8-15	8-15	8-15	8-18	8-18	8-18
Washout Speed(mm/min)	130-150	120-140	100-130	90-110	70-90	70-90	70-90
Drying Time (h)	1.5-2	1.5-2	1.5-2	2-2.5	3	3	3
Post ExposureUV-A (min)	5	5	5	5	5	5	5
Light Finishing UV-C (min)	0-5	0-5	0-5	0-5	0-5	0-5	0-5

SF-DGT				
Digital Plate for Corrugated				
284	318	394	470	635

Technical Characteristics					
Thickness (mm/inch)	2.84/ 0.112	3.18/ 0.125	3.94/ 0.155	4.70/ 0.185	6.35/ 0.250
Hardness(Shore Å)	42	41	37	35	35
Image Reproduction	2 – 95% 120lpi	2 – 95% 120lpi	2 – 95% 100lpi	3 – 95% 80lpi	3 – 95% 80lpi
Minimum Isolated Line(mm)	0.10	0.20	0.30	0.30	0.30
Minimum Isolated Dot(mm)	0.20	0.50	0.75	0.75	0.75

Back Exposure(s)	70-90	80-110	90-120	110-130	250-300
Main Exposure(min)	10-15	10-15	10-15	10-15	10-15
Washout Speed(mm/min)	120-140	100-130	100-130	70-100	50-90
Drying Time (h)	2-2.5	2.5-3	3	3	3
Post ExposureUV-A (min)	5	5	5	5	5
Light Finishing UV-C (min)	4	4	4	4	4

SF-DGS					
Digital Plate for Corrugated					
	284	318	394	470	550
Technical Characteristics					
Thickness (mm/inch)	2.84/ 0.112	3.18/ 0.125	3.94/ 0.155	4.70/ 0.185	5.50/ 0.217
Hardness(Shore Å)	35	33	30	28	26
Image Reproduction	3 – 95% 80lpi	3 – 95% 80lpi	3 – 95% 80lpi	3 – 95% 60lpi	3 – 95% 60lpi
Minimum Isolated Line(mm)	0.10	0.25	0.30	0.30	0.30
Minimum Isolated Dot(mm)	0.20	0.50	0.75	0.75	0.75

Back Exposure(s)	50-70	50-100	50-100	70-120	80-150
Main Exposure(min)	10-15	10-15	10-15	10-15	10-15
Washout Speed(mm/min)	120-140	100-130	90-110	70-90	70-90
Drying Time (h)	2-2.5	2.5-3	3	4	4
Post ExposureUV-A (min)	5	5	5	5	5
Light Finishing UV-C (min)	4	4	4	4	4

Package (PCS/BOX)

SF-GL	Analog	Flexible Packaging & Labels	1.70/0.067	12
			2.28/0.090	10
SF-GI	Analog	Cartons&Sacks	2.54/0.100	9
			2.84/0.112	8
		Corrugated	3.18/0.125	7
			3.94/0.155	6
			4.70/0.185	5
			5.00/0.197	5
			5.50/0.217	5
			6.35/0.250	5
			7.00/0.275	5
			SF-L	Analog
2.84/0.112	9			
Corrugated	3.18/0.125	7		
	3.94/0.155	6		
	4.70/0.185	5		
	5.50/0.217	5		
	7.00/0.275	5		
	1.14/0.045	11		
SF-DGL	Digital	Flexible Packaging & Labels	1.70/0.067	10
			2.28/0.090	10
SF-DG	Digital	Flexible Packaging & Labels	1.70/0.067	10
			2.54/0.100	9
			2.84/0.112	9
SF-DGT	Digital	Corrugated	2.84/0.112	9
			3.18/0.125	8
			3.94/0.155	6
			4.70/0.185	6
			6.35/0.250	5
SF-DGS	Digital	Corrugated	2.84/0.112	9
			3.18/0.125	8
			3.94/0.155	6
			4.70/0.185	6
			5.50/0.217	5