

Sheet Photopolymer Selection Guide

Flexible Packaging, Tags & Labels, Folding Carton, and Multi-Wall Bag



Digital Plates

Product	Features/Benefits	Gauge* (mil/mm)	Durometer Shore A	Tone Range*	Isolated Dot (in/mm)*	Isolated Line (in/mm)*
LUX ITP™ 60	Flat-top dots in the plate Patented Clean Plate Technology Exceptional consistency in printing Low dot gain Solvent or thermal processing	45/1.14 67/1.70 100/2.54 107/2.72	60 Shore A 78 - 45 mil/ 1.14 mm 71 - 67 mil/ 1.70 mm	1-99% 200 lpi/79 lpcm	0.004 / 0.10 diameter	0.002 / 0.05 width
LUX ITP™ EPIC®	Unique micro-rough surface Flat-top dots in the plate Patented Clean Plate Technology Excellent ink transfer Eliminates need for surface screening Solvent or thermal processing	45/1.14 67/1.70 100/2.54 107/2.72 112/2.84	54 Shore A 73 - 45 mil/ 1.14 mm 64 - 67 mil/ 1.70 mm 57 - 107 mil/2.72 mm	1-99% 200 lpi/79 lpcm	0.004 / 0.10 diameter	0.002 / 0.05 width
LUX ITP™ M	Flat-top dots in the plate Patented Clean Plate Technology Exceptional consistency in printing Low dot gain Solvent or thermal processing	45/1.14 67/1.70 100/2.54 107/2.72 112/2.84	54 Shore A 73 - 45 mil/ 1.14 mm 64 - 67 mil/ 1.70 mm 57 - 107 mil/2.72 mm	1-99% 200 lpi/79 lpcm	0.004 / 0.10 diameter	0.002 / 0.05 width
Digital MAX	Excellent drape Low dot gain High resilience Extremely low tack Quick imaging Solvent or thermal processing	45/1.14 67/1.70 107/2.72 112/2.84	60 Shore A 78 - 45 mil/ 1.14 mm 71 - 67 mil/ 1.70 mm 63 - 107 mil/2.72 mm	1-98% 200 lpi/79 lpcm	0.005 / 0.127 diameter	0.003 / 0.076 width
Digital MCH	Unique cap layer Low dot gain Incredible durability Excellent solids coverage	45/1.14 67/1.70	60 Shore A 78 - 45 mil/ 1.14 mm 71 - 67 mil/ 1.70 mm	1-99% 200 lpi/79 lpcm	0.005 / 0.127 diameter	0.001 / 0.025 width
Digital MCP	Patented Clean Plate Technology Increased image sharpness Excellent durability Low dot gain Ozone resistant Solvent or thermal processing	67/1.70	60 Shore A 69 - 67 mil/ 1.70 mm	1-99% 200 lpi/79 lpcm	0.005 / 0.127 diameter	0.003 / 0.076 width
Digital MVP	High resilience Low dot gain Print durability Quick imaging Solvent or thermal processing	45/1.14 67/1.70 100/2.54 107/2.72 112/2.84	50 Shore A 69 - 45 mil/ 1.14 mm 59 - 67 mil/ 1.70 mm 52 - 107 mil/2.72 mm	1-98% 200 lpi/79 lpcm	0.005 / 0.127 diameter	0.003 / 0.076 width
Digital RAVE	Image sharpness Fine highlights Crisp text & reverses Excellent drape Ozone-resistant	45/1.14 67/1.70 100/2.54 107/2.72 112/2.84	60 Shore A 78 - 45 mil/ 1.14 mm 71 - 67 mil/ 1.70 mm 63 - 107 mil/2.72 mm	1-98% 200 lpi/79 lpcm	0.005 / 0.127 diameter	0.003 / 0.076 width
UVR	Low swell in UV inks More consistent print Excellent resolution Low dot gain Solvent or thermal processing	45/1.14 67/1.70	56 Shore A 79 - 45 mil/ 1.14 mm 70 - 67 mil/ 1.70 mm	1-98% 200 lpi/79 lpcm	0.006 / 0.152 diameter	0.003 / 0.076 width
Digital MAX-C	For Coating & Varnish Applications Excellent coating transfer Optimized for coating coverage Optimized for spot coating	45/1.14	60 Shore A 78 - 45 mil/ 1.14 mm	1-98% 200 lpi/79 lpcm	0.005 / 0.127 diameter	0.003 / 0.076 width

*Standard gauges listed, additional gauges may be available. All technical information is for plates processed without LUX® Lamination. Please contact your MGS Account Manager for additional information.
Shore A from 250 MIL Sample

Flexible Packaging, Tags & Labels, Folding Carton, and Multi-Wall Bag

Analog Plates



Product	Features/Benefits	Gauge* (mil/mm)	Durometer Shore A	Tone Range**	Isolated Dot (in/mm)	Isolated Line (in/mm)
MAX	Excellent drape Low dot gain High resilience Extremely low tack Quick imaging	30/0.76 45/1.14 67/1.70 107/2.72 112/2.84	60 Shore A 78 - 45 mil/1.14 mm 71 - 67 mil/1.70 mm 63 - 107 mil/2.72 mm	1-95% 175 lpi/69 lpcm	0.003 / 0.076 diameter	0.002 / 0.051 width
MVP	High resilience Low dot gain Print durability Quick imaging	45/1.14 67/1.70 100/2.54 107/2.72 112/2.84	50 Shore A 69 - 45 mil/1.14 mm 59 - 67 mil/1.70 mm 52 - 107 mil/2.72 mm	1-95% 175 lpi/69 lpcm	0.003 / 0.076 diameter	0.002 / 0.051 width

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**Imaging resolution is dependent on the film being used.

Shore A from 250 MIL Sample

Corrugated Post-Print

Digital Plates



Product	Features/Benefits	Gauge* (mil/mm)	Durometer Shore A	mil	Tone Range	Isolated Dot (in/mm)	Isolated Line (in/mm)
LUX ITP™ EDGE	Flat-top dots in the plate Patented Clean Plate Technology High linescreen and imaging Reduced fluting Exceptional consistency in printing	112/2.84 125/3.18 155/3.94 250/6.35	32 Shore A 38 - 112 mil/2.84 mm 34 - 155 mil/3.94 mm	112-155	2-97% 150 lpi/59 lpcm	-	0.002 / 0.051 width
				170-250	1-99% 120 lpi/47 lpcm	-	0.003 / 0.076 width
LUX ITP™ MELO	Super soft durometer Flat-top dots in the plate Minimal board crush Lowest possible fluting Excellent ink transfer	112/2.84 125/3.18 155/3.94 250/6.35	25 Shore A 32 - 112 mil/2.84 mm 31 - 125 mil/3.18 mm 29 - 155 mil/3.94 mm	112-155	2-95% 133 lpi/52 lpcm	0.008 / 0.203 diameter	0.003 / 0.076 width
				170-250	2-95% 100 lpi/40 lpcm	0.016 / 0.406 diameter	0.005 / 0.127 width
Digital MAF	Flat-top dots in the plate Low fluting Reduced dot gain Chip resistant Tack free Extremely durable	112/2.84 125/3.18 155/3.94 250/6.35	32 Shore A 38 - 112 mil/2.84 mm 36 - 125 mil/3.18 mm 34 - 155 mil/3.94 mm	107-155	2-95% 100 lpi/40 lpcm	0.008 / 0.203 diameter	0.003 / 0.076 width
				170-250	2-95% 100 lpi/40 lpcm	0.016 / 0.406 diameter	0.005 / 0.127 width
Digital MGC	Quick wash out Image fidelity for high-end graphics and halftone reproduction Chip resistant Tack free Extremely durable	112/2.84 125/3.18 155/3.94 250/6.35	32 Shore A 38 - 112 mil/2.84 mm 36 - 125 mil/3.18 mm 34 - 155 mil/3.94 mm	107-155	2-95% 120 lpi/47 lpcm	0.008 / 0.203 diameter	0.003 / 0.076 width
				170-250	2-95% 100 lpi/40 lpcm	0.016 / 0.406 diameter	0.005 / 0.127 width

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Shore A from 250 MIL Sample

Analog Plates

Product	Features/Benefits	Gauge* (mil/mm)	Durometer Shore A	Tone Range**	Isolated Dot (in/mm)	Isolated Line (in/mm)
MGC	Quick washout Fine detail without mask Fine screen detail Excellent durability	112/2.84 125/3.18 155/3.94	32 Shore A 38 - 112 mil/2.84 mm 36 - 125 mil/3.18 mm 34 - 155 mil/3.94 mm	2-90% 100 lpi/40 lpcm	0.015 / 0.381 diameter	0.005 / 0.127 width

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Shore A from 250 MIL Sample