

# Selection Guide

## Sheet Photopolymer

- **MGC:** Ensuring high quality direct printing for the most demanding corrugated print surfaces, the soft plate durometer, 32 Shore A, provides excellent solids coverage while its low tack and high resilience offer long and clean press runs.
- **MVP:** This 50 durometer, analog sheet plate from MacDermid is designed to produce higher quality print and increased productivity. It has excellent resilience, allowing for faster press speeds and reduced bounce. Ink transfer is enhanced, delivering extremely smooth solids and crisp, clean-running process color images every time.
- **Digital MVP:** Digital MVP offers all the benefits of MVP in a digital format. This plate material offers dual processing capabilities – it can be processed in solvent systems or thermally in MacDermid's LAVA processor.
- **UVR:** Designed to swell less than other flexographic plates in UV inks, this digital plate offers an excellent plate solution to the narrow web market. It provides a longer lifetime and more consistent print properties than plates with a similar physical make-up.
- **Digital MCH:** MacDermid expands its capped plate offering by providing a new 60 durometer, hard capped plate for those printers seeking the best of high-end, full color process printing. Digital MCH offers a micro-rough surface for excellent ink transfer, creating fine imaging detail. The innovative cap layer provides the best tonal range possible.
- **MAX:** This 60 durometer analog plate from MacDermid is designed to deliver the MAXimum print benefit – low dot gain in screen/process color printing with smooth ink lay down for bold solids. MAX plates work well with a wide variety of substrates and ink and has excellent drape characteristics, making it well suited for applications involving small-diameter cylinders on narrow web presses. MAX is an extremely low tack plate, which allows long, clean running print performance.
- **Digital MAX:** The digital version of MAX, Digital MAX delivers all the benefits of MAX, plus the fine resolution and imaging capability expected from a digital photopolymer plate. Digital MAX can be processed in solvent systems or thermally in MacDermid's LAVA processor.
- **Digital Rave:** This 60 durometer plate's laser ablative mask improves dot shape and extends image latitude, while also eliminating sources for dust and light diffusion, resulting in increased plate quality.

	Market Segment	Features	Gauge	Durometer	Tone Range	Isolated Dot	Isolated Line
<b>MGC</b>	Corrugated	Quick Washout Fine detail w/o mask Fine screen detail Durability	<b>Mils(mm):</b> 112 (2.84), 125 (3.18), 155 (3.94)	<b>32 Shore A</b> 250 MIL Sample <b>Duro Gauge</b> 34 155 mil / 3.94 mm 36 125 mil / 3.18 mm 38 112 mil / 2.84 mm	2-90% 100 lpi / 39 lpcm	15 mil (381 microns)	5 mil (127 microns)
					2-95% 120 lpi / 47 lpcm	8 mil (203 microns)	3 mil (76 microns)
<b>MVP</b>	Flexible Pkg, Multi-Wall Bag, Pre-Print Liner, Folding Carton, Tag & Label Envelope	High Resilience Low Dot Gain Print Durability Quick Imaging	<b>Mils (mm):</b> 45 (1.14), 67 (1.70), 100 (2.54), 107 (2.71), 112 (2.84)	<b>50 Shore A</b> 250 MIL Sample <b>Duro Gauge</b> 50 112 mil / 2.84 mm 52 107 mil / 2.71 mm 59 67 mil / 1.70 mm 69 45 mil / 1.14 mm	1-95% 175 lpi / 69 lpcm	3 mil (76 microns)	2 mil (51 microns)
<b>Digital MVP*</b>					1-98% 200 lpi / 79 lpcm	5 mil (127 microns)	3 mil (76 microns)
<b>Digital Rave</b>	Flexible Pkg, Multi-Wall Bag, Pre-Print Liner, Folding Carton, Tag & Label	Image sharpness Fine highlights Crisp text & reverses Excellent drape Ozone-resistant	<b>Mils (mm):</b> 45 (1.14), 67 (1.70), 100 (2.54), 107 (2.71), 112 (2.84)	<b>60 Shore A</b> 250 MIL Sample <b>Duro Gauge</b> 63 112 mil / 2.84 mm 63 107 mil / 2.71 mm 71 67 mil / 1.70 mm 78 45 mil / 1.14 mm	1-99% 200 lpi / 79 lpcm	5 mil (127 microns)	3 mil (76 microns)
<b>UVR*</b>	Tag & Label	Low Swell in UV Inks More consistent print Excellent Resolution Low Dot Gain	<b>Mils (mm):</b> 45 (1.14), 67 (1.70),	<b>56 Shore A</b> 250 MIL Sample <b>Duro Gauge</b> 70 67 mil / 1.70 mm 79 45 mil / 1.14 mm	1 – 98% 175 lpi / 69 lpcm	6 mil (152 microns)	3 mil (76 microns)
<b>Digital MCH</b>	Flexible Pkg, Multi-Wall Bag, Pre-Print Liner, Folding Carton, Tag & Label	Unique cap layer Low dot gain Incredible durability Exceptional Solids Coverage	<b>Mils (mm):</b> 45 (1.14), 67 (1.70), 90 (2.29), 100 (2.54), 107 (2.71)	<b>60 Shore A</b> 250 MIL Sample <b>Duro Gauge</b> 63 112 mil / 2.84 mm 63 107 mil / 2.71 mm 71 67 mil / 1.70 mm 78 45 mil / 1.14 mm	0.5 – 99% 200 lpi / 79 lpcm	5 mil (127 microns)	1 mil (25 microns)
<b>MAX</b>	Flexible Pkg, Multi-Wall Bag, Pre-Print Liner, Folding Carton, Tag & Label	Excellent drape Low dot gain High resilience Extremely low tack Quick Imaging	<b>Mils (mm):</b> 30 (.76), 45 (1.14), 67 (1.70), 107 (2.71), 112 (2.84)	<b>60 Shore A</b> 250 MIL Sample <b>Duro Gauge</b> 63 112 mil / 2.84 mm 63 107 mil / 2.71 mm 71 67 mil / 1.70 mm 78 45 mil / 1.14 mm	1-95% 175 lpi / 69 lpcm	3 mil (176 microns)	2 mil (51 microns)
<b>Digital MAX*</b>			<b>Mils (mm):</b> 45 (1.14), 67 (1.70), 107 (2.71), 112 (2.84)		1-98% 200 lpi / 79 lpcm	5 mil (127 microns)	3 mil (76 microns)

\* Digital MVP, UVR, and Digital MAX products can be processed either in solvents or thermally. MacDermid plates are compatible with most aqueous, solvent or UV inks. To ensure compatibility it is recommended that a swell test be performed with the specific ink system in use.

