



Digital MCP

Photopolymer Plates



Exceptionally Clean Running Plate

DIGITAL MCP
Photopolymer Printing Plates

150 LINE
133 LINE
120 LINE

2% 25% 50% 90%

.003
.004

14 PT.
12 PT.
8 PT.
6 PT.

Low Dot Gain
Excellent Drape
Quick Imaging Plate
Extremely Low Tack (Dry) Plate

MacDermid
GRAPHICS SOLUTIONS

Digital MCP is a hard durometer, round top dot plate featuring MacDermid's Patented Clean Plate Technology. Digital MCP builds off MacDermid's high-quality digital plate chemistry. This plate is uniquely designed to print cleaner on press, reduce ink build-up in between dots and reverses, and requires fewer press stops for plate cleaning. The reduction in physical cleaning requirements extends the plate life of Digital MCP, making it ideal for longer print runs.

Digital MCP is optimized for superior processing in MacDermid's LAVA® thermal system, but it is also suitable for processing in conventional solvent wash systems.

When flat-top dots are desired, Digital MCP can be imaged via MacDermid's award-winning LUX® Lamination process to achieve flat-top dots.

For exceptional, cleaning running printing plates, count on the company that innovates with you in mind - MacDermid.

FEATURES & BENEFITS

- Patented Clean Plate Technology for exceptionally clean-running printing plates
- Increased image sharpness with finer highlights, crisp text and reverses
- Excellent durability
- Can be imaged in standard "round top" dot techniques, or via the award-winning LUX lamination process for "flat-top" dots
- Low dot gain
- Solvent or thermal processing
- Ozone resistant

SEGMENTS

- Flexible Packaging
- Tags and Labels
- Folding Carton
- Sacks, Paper, Multiwall

Elevate Your Print to the Next Level



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TECHNICAL SPECIFICATIONS

Digital MCP is available in 0.067 in (1.70 mm) thickness and in sizes up to 50 in x 80 in (1,270 mm x 2,032 mm). Please contact your MacDermid representative for details.

REPRODUCTION CAPABILITIES

Halftones:	1-99% at 200 lpi (79 lines/cm)
Fine lines:	0.003 in (0.076 mm) width
Isolated dots:	0.005 in. (0.127 mm) diameter

PLATE PROCESSING*

Digital MCP can be processed in either solvent or thermal systems. For solvent processing, use with Solvit® M100, Solvit QD, or Solvit LO is recommended. Most other safe-solvent solutions may be used.

*Processing times for any particular job and process are determined by equipment and other factors; consult your MacDermid representative for help in optimizing your plate processing.

INK/SOLVENT COMPATIBILITY

Digital MCP photopolymer is compatible with UV, alcohol, water, and glycol-based inks. Digital MCP is not recommended for use with oil-based inks or hydrocarbon solvents.

APPLICATIONS

Digital MCP and other MacDermid digital photopolymer plates are recommended for high-quality, high linescreen printing on film and paper.

RECOMMENDED PROCESSING CONDITIONS*

GAUGE (mil/mm)	DUROMETER (Shore A)	DESIRED RELIEF (mil)	BACK EXPOSURE ¹		FACE EXPOSURE ²		WASHOUT ³	DRY TIME	POST EXPOSURE ⁴	DETACK ⁵
			(mJ/cm ²)	(sec)	(J/cm ²)	(min)	(sec)	(min)	(min)	(min)
67/1.70	69	22	2,380	70	9	5	360	120	5	5

*Contact your MacDermid representative for assistance in establishing proper processing conditions

1. Lamp intensity is 30 mW
2. Lamp intensity is 15 mW
3. Solvit® M100 washout times
4. Lamp intensity is 16 mW
5. Lamp intensity is 10 mW



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<http://graphics.macdermid.com>

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