

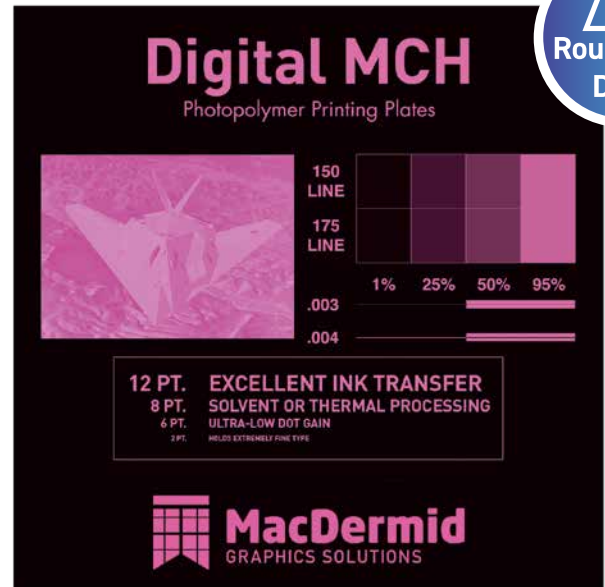


Digital MCH

Photopolymer Plates



Low Dot Gain And Smooth Ink Laydown From One Plate



Digital MCH, is a 60 durometer, capped plate for those printers seeking the best of high end, full-color process printing.





Digital MCH offers a unique micro-rough surface for excellent ink transfer, creating fine imaging detail. The innovative cap layer ensures that the plate provides the best tonal range possible. And because it is wear resistant, you are guaranteed long run durability on press.

For performance that makes your flexo printing consistent and you platemaking simple, count on the company that innovates with you in mind - **MacDermid**.

FEATURES & BENEFITS

- Solvent or thermal processing
- Excellent imaging with the lowest dot gain
- A balanced plate surface for low image gain and exceptional solids coverage
- Incredible durability
- Ozone resistant
- Runs clean time and time again

SEGMENTS

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

Elevate Your Print to the Next Level



Digital MCH

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TECHNICAL SPECIFICATIONS

Digital MCH is available in thicknesses of 0.045 in (1.14 mm) to 0.107 in (2.71 mm) and in sizes up to 52 in x 80 in (1,320 mm x 2,032 mm). Please contact your MacDermid representative for details.

REPRODUCTION CAPABILITIES

Halftones: 0.5-99% (200 lpi (80 lines/cm))

Fine lines: 0.001 in (0.025 mm) width

Isolated dots: 0.005 in. (0.127 mm) diameter

Fine lines and isolated dots using 0.067 in (1.70 mm) plate

PLATE PROCESSING*

Digital MCH can be processed in either solvent or thermal systems. For solvent processing, use with SOLVIT® M100, SOLVIT LO, or SOLVIT QD 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 MCH photopolymer is compatible with UV, alcohol, water, and glycol-based inks. Digital MCH is not recommended for use with oil-based inks or hydrocarbon solvents.

APPLICATIONS

Digital MCH is recommended for high quality printing on film and preprint liner, particularly for process color. Digital MCH can also be used successfully in other applications such as high quality labels and folding cartons.

RECOMMENDED PROCESSING CONDITIONS*

GAUGE	DUROMETER	DESIRED RELIEF	BACK EXPOSURE ^{1,2}		FACE EXPOSURE ²		WASHOUT ³	DRY TIME	POST EXPOSURE	DETACK
(mil/mm)	(Shore A)	(mil)	(mJ/cm ²)	(sec)	(J/cm ²)	(sec)	(sec)	(min)	(min)	(min)
45/1.14	78	18-22	1,540	140	9	10	240	120	5	5
67/1.70	71	18-22	2,100	190	9	10	300	120	5	5

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

1. For thermally processed plates, back exposure time is 15-30% less than solvent process plates

2. Lamp intensity is 15 mW for top lamps, 11 mW for lower lamps

3. SOLVIT QD washout times



MacDermid

GRAPHICS SOLUTIONS

<http://graphics.macdermid.com>

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