

# MVP

## Photopolymer Plates



**MVP**  
Photopolymer Printing Plates

150 LINE  
133 LINE  
120 LINE

2% 25% 50% 90%

.003  
.004

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

**High Resilience**  
**Excellent Durability**  
Low Dot Gain  
Quick Imaging

**MacDermid**  
GRAPHICS SOLUTIONS

### The Most Valuable Plate for Your Printing Needs.

MacDermid MVP is a medium durometer, analog sheet photopolymer plate from MacDermid. Its durable design results in higher quality print and increased productivity.





This 50 durometer plate has exceptional 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. MVP plates work well with a wide variety of substrates and inks.

When you want the most valuable plate in your line-up, count on the company that innovates with you in mind. MacDermid.

#### KEY FEATURES

- High resilience
- Excellent durability
- Low dot gain
- Quick Imaging

#### SEGMENTS

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

# MVP

## Photopolymer Plates



### TECHNICAL SPECIFICATIONS

MVP is available in thicknesses of 0.045" (1.14 mm) - 0.112" (2.84 mm) and in sizes up to 50" x 80" (1270 mm x 2,032 mm). Please contact your MacDermid representative for details.

### REPRODUCTION CAPABILITIES

**Halftones:** 0.045-0.112" gauge (1.14 mm – 2.84 mm)  
1 - 95% at 175 lpi (69 lines/cm)

**Fine lines:** 0.002 in. (0.05 mm) width

**Isolated dots:** 0.003 in. (0.08 mm) diameter

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

### PLATE PROCESSING\*

Use with SOLVIT® M100 or SOLVIT® QD is recommended. Most other safe-solvent solutions may be used.

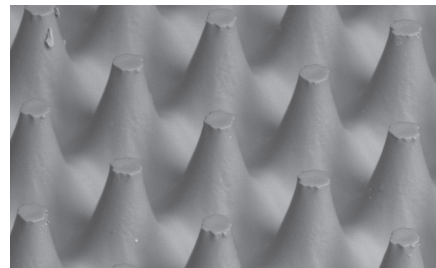
Processing times for any particular job are determined by equipment, copy requirements, and plate thickness.

### INK/SOLVENT COMPATIBILITY

MVP plates have ink compatibility similar to natural rubber. Plates are compatible with water and alcohol based inks containing up to 25% acetate. MVP is not recommended for oil-based inks, hydrocarbon solvents, or inks with acetate ester content higher than 25%.

### APPLICATIONS

MVP is an analog sheet photopolymer for use in labels, folding carton, multi-wall bag, preprinted liner, flexible packaging and other flexo markets that require a medium durometer plate.



### RECOMMENDED PROCESSING CONDITIONS\*

GAUGE	DUROMETER	DESIRED RELIEF	BACK EXPOSURE <sup>1,2</sup>		FACE EXPOSURE <sup>2</sup>		WASH OUT <sup>3</sup>	DRY TIME	POST EXPOSURE <sup>3</sup>	DETACK <sup>4</sup>
(mil/mm)	(Shore A)	(mil/mm)	(mJ/cm <sup>2</sup> )	(sec)	(J/cm <sup>2</sup> )	(sec)	(sec)	(min)	(min)	(min)
45/1.14	69	23	1020	64	4.8-8.6	300-450	360	90	5	5
67/1.70	59	25	1100	69	5.3-9.6	330-600	400	120	5	5
100/2.54	53	30	1580	99	5.8-10.6	330-660	420	150	5	5
107/2.71	52	32	1650	103	6.2-10.6	390-660	450	150	5	5
112/2.84	50	35	1740	109	6.7-11.5	420-720	450	150	5	5

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

1. Lamp intensity 16mW
2. Solvit QD washout times
3. Lamp intensity 17 mW
4. Lamp intensity 10 mW



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