

+ Flexability + Durability + Capability

The Most Valuable Plate for Your Printing Needs

MVP

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.

MacDermid Graphics Solutions delivers an unrivalled customer experience through technical expertise and constant innovation. Creating solutions that flex.

Key Features & Benefits

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

Segments

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

Creating
solutions
that flex.

For more information, please contact:

500 Chattahoochee Row NW Suite D, Atlanta, GA 30318
macdermidgraphics.com
404.696.4565



+ MVP Photopolymer Plate

Elevate Your Print to the Next Level



Technical Specifications

MVP is available in thicknesses of 0.045" (1.14 mm) - 0.112" (2.84 mm) and in sizes up to 52" 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

Plate processing*

Use with SOLVIT® M100 or SOLVIT® LO 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 ^{1,2}		Face Exposure ²		Washout ³	Dry Time	Post Exposure ³	Detack ⁴
			(mil/mm)	(Shore A)	(mil/mm)	(mJ/cm ²)				
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. Lamp intensity 17 mW
3. Lamp intensity 10 mW

MacDermid Graphics Solutions delivers an unrivalled customer experience through technical expertise and constant innovation. Creating solutions that flex.