+ Flexability + Durability + Capability

The Most Versatile Plate

Creating solutions that flex.

Digital MVP

Digital MVP is a medium durometer digital plate from MacDermid. It has fine resolution and imaging capability expected from a digital photopolymer plate, and will work over a broad range of substrates and applications.

Digital MVP gives you a choice when it comes to processing. It can be processed in solvent systems or thermally in MacDermid's LAVA processor. 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. Digital MVP Plates work well with a 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

- Solvent or Thermal processing
- High resilience
- Excellent durability
- Low dot gain
- Quick imaging

Segments

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

For more information, please contact:
500 Chattahoochee Row NW Suite D, Atlanta, GA 30318
macdermidgraphics.com
404.696.4565

MacDermid GRAPHICS SOLUTIONS

+ Digital MVP Photopolymer Plate

Elevate Your Print to the Next Level

MacDermid GRAPHICS SOLUTIONS

Technical Specifications

Digital MVP is available in thicknesses of 0.045 in (1mm) up to 0.112 in (3 mm) 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:	1-98% at 200 lpi (79 l/cm)
Fine lines:	0.003 in (0.076 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 MVP can be processed in either solvent or thermal systems. For solvent processing, use with SOLVIT® M100 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 MVP plates have ink compatibility similar to natural rubber. Plates are compatible with water and alcohol based inks containing up to 20% acetate. Digital MVP is not recommended for oil-based inks, hydrocarbon solvents, or inks with acetate ester content higher than 20%.

Applications

Digital MVP is a digital 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)	(mJ/cm^2)	(sec)	(J/cm^2)	(min)	(sec)	(min)	(min)	(min)
45/1.14	69	23	1680	105	9.6	10	360	90	5	5
67/1.70	59	24	1680	105	9.6	10	400	120	5	5
100/2.54	53	27	2000	125	9.6	10	450	120	5	5
107/2.71	52	30	2240	140	9.6	10	450	150	5	5

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

1. For thermally processed plates, back exposure is 30-50% less than for solvent processed plates
2. Lamp intensity 16mW
3. Lamp intensity 17 mW

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