Digital MVP

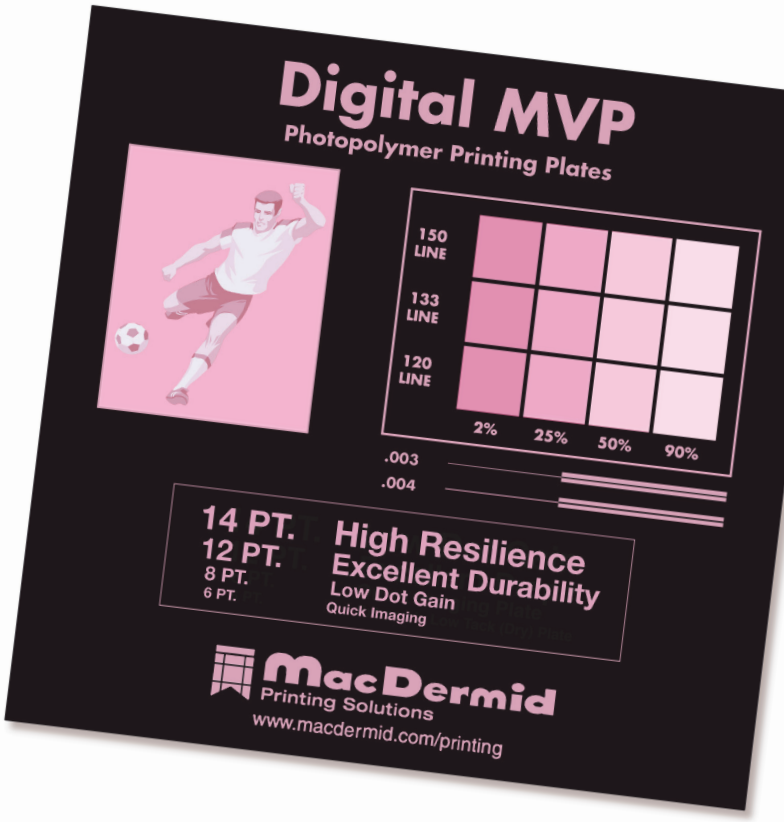
Photopolymer Plates

The Most Versatile Plate. Processed in Solvent or Thermal Systems. You Choose.

Digital MVP is the digital version of (analog) MVP, the newest medium durometer plate from MacDermid. It delivers all of the benefits of MVP, plus the fine resolution and imaging capability expected from a digital photopolymer plate. And moving from analog to digital is even easier because the plate's printing surface and high performance characteristics remain the same.

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.

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



Key Features

- **Solvent or Thermal Processing**
- **High Resilience**
- **Excellent Durability**
- **Low Dot Gain**
- **Quick Imaging**

Segments

Flexible Packaging

Folding Carton

Tags and Labels

Sacks, Paper, Multiwall

MacDermid
Printing Solutions

Digital MVP

Photopolymer Plates

Technical Specifications

Digital MVP is available in thicknesses of 0.045" (1.14mm) - 0.112" (2.84mm) and in sizes up to 52" x 80"(1,320mm x 2,032mm). Please contact your MacDermid representative for details.

Reproduction Capabilities

Halftones: 0.045-0.112" gauge (1.14 mm – 2.84 mm)
1 - 98% at 200 lpi (79 l/cm)

Fine lines: 0.003 in. (0.08mm) width

Isolated dots: 0.005 in. (0.13 mm) diameter

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

Plate Processing*

Digital MVP can be processed in either solvent or thermal systems. For solvent 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 Compatability

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

Applications

Digital 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]		Wash Out[3]	Dry Time	Post Exposure[4]	Detack[5]
(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	150	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. Solvit QD washout times
4. Lamp intensity 17 mW
5. Lamp intensity 10 mW

MacDermid Printing Solutions

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