

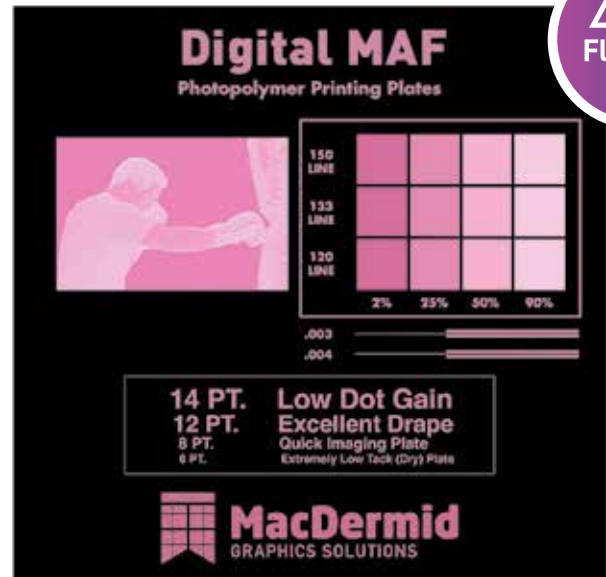


# Digital MAF

## Photopolymer Plates



### High Performing Digital Corrugated Plate



MacDermid's Digital MAF is the digital sheet photopolymer specifically designed to address all direct print corrugated board requirements.

Digital MAF has a dot profile that is optimized for post-print corrugated, resulting in dramatically reduced fluting without the use of additional platemaking techniques or exposure systems. Digital MAF simply prints better; right out of the box.

For exceptional direct printing on corrugated board, count on the experts at **MacDermid**.

### FEATURES & BENEFITS

- Lowest possible fluting with a digital plate;
- No extra steps necessary
- Reduced dot gain
- Faster press speeds
- Quick wash out
- Holds the finest detail in all plate thicknesses
- No cupping allows for uniform impression at all process speeds
- Chip resistant, tack free and extremely durable

### SEGMENTS

- Corrugated 

Elevate Your Print to the Next Level



# Digital MAF

## Photopolymer Plates

### TECHNICAL SPECIFICATIONS

Digital MAF is available in thicknesses of 0.112 in (2.84 mm) up to 0.250 in (6.35 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

	107-155 mil (2.72-3.94 mm)	170-250 mil (4.32-6.35 mm)
Halftones:	2-95% (120 lpi / 47 l/cm)	2-95% (100 lpi / 40 l/cm)
Fine lines:	0.003 in/0.08 mm	0.005 in/0.13 mm
Isolated dots:	0.008 in/0.20 mm diameter	0.016 in/0.41 mm diameter

### PLATE PROCESSING\*

Digital MAF can be processed in solvent systems using 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 MAF plates have ink compatibility similar to natural rubber. Plates are compatible with water and alcohol based inks containing up to 20% acetate. Digital MAF is not recommended for oil-based inks, hydrocarbon solvents, or inks with acetate content higher than 20%.

### APPLICATIONS

Digital MAF is a sheet photopolymer with a dot profile optimized for post print corrugated and other flexo markets that require a soft durometer plate.

### RECOMMENDED PROCESSING CONDITIONS\*

GAUGE (mil/mm)	DUROMETER (Shore A)	DESIRED RELIEF (mil/mm)	BACK EXPOSURE <sup>1,2</sup> (mJ/cm <sup>2</sup> ) (sec)		FACE EXPOSURE <sup>2</sup> (J/cm <sup>2</sup> ) (min)		WASHOUT <sup>3</sup> (sec)	DRY TIME (hrs)	POST EXPOSURE <sup>3</sup> (min)	DETACK <sup>4</sup> (min)
112/2.84	38	55/1.40	1050	105	5,000-7,000	300-450	400	1.5-2	6	8
125/3.18	36	60/1.52	1350	135	5,000-7,000	300-450	400	1.5-2	6	8
155/3.94	34	70/1.78	950	95	5,000-7,000	300-450	450	2-2.5	6	8
250/6.35	32	125/3.78	2000	200	8,000-10,000	500-625	650	2-2.5	6	8

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

1. Lamp intensity 10.0 mW/cm<sup>2</sup> (UVA 340 - 380 nm)

2. Solvit QD washout times

3. Lamp intensity 6.0 mW/cm<sup>2</sup> (UVA 340 - 380 nm)

4. Lamp intensity 10.0 mW/cm<sup>2</sup> (UVC 220 - 300 nm)



## MacDermid

GRAPHICS SOLUTIONS

<http://graphics.macdermid.com>

©2019 MacDermid, Inc. All rights reserved.