

# Digital MAF

## Photopolymer Plates

### The Best Performing Digital Corrugated Plate Available

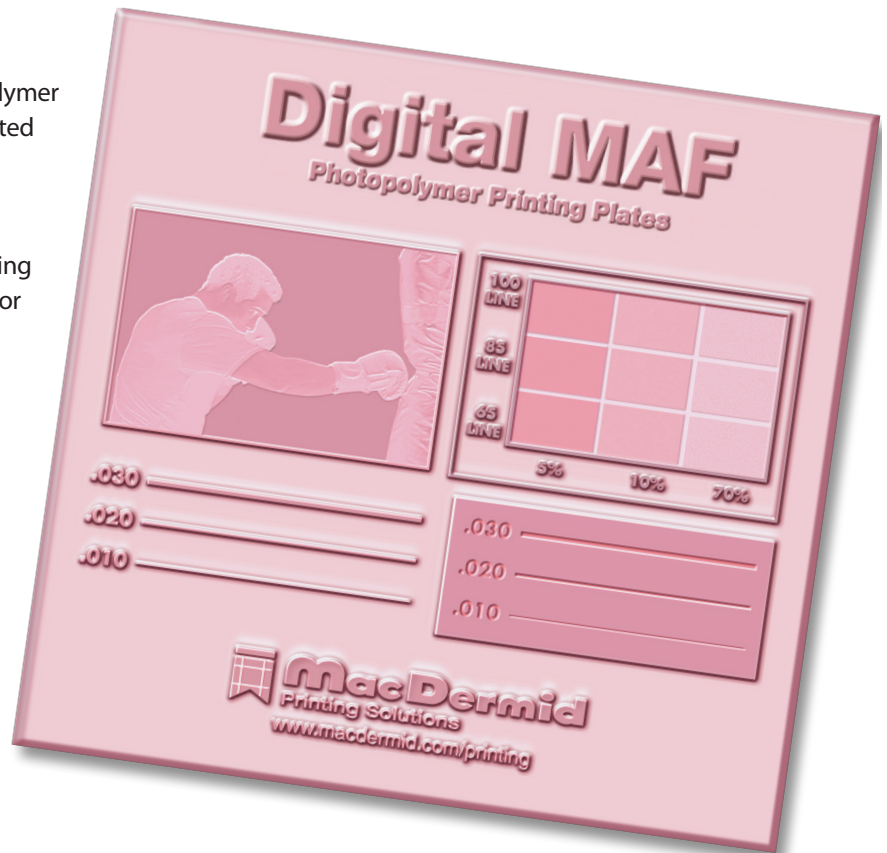
MacDermid's Digital MAF is the digital sheet photopolymer specifically designed to address all direct print corrugated board requirements.

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.

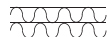
#### Key Features

- 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



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### Technical Specifications

Digital MAF is available in thicknesses of 0.112" (2.84mm) - 0.250" (6.35mm) in sizes up to 50" x 80". Please contact your MacDermid representative for details.

#### Plate Processing

It is recommended that Digital MAF be processed with SOLVIT® M100 or SOLVIT QD. 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 25% acetate. Digital MAF is not recommended for oil-based inks, hydrocarbon solvents, or inks with acetate content higher than 25%.

### 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</sup>		Face Exposure <sup>1</sup>		Wash Out <sup>2</sup> (sec)	Dry Time (hrs)	Post Exposure <sup>3</sup> (min)	Detack <sup>4</sup> (min)
			(mJ/cm <sup>2</sup> )	(sec)	(J/cm <sup>2</sup> )	(sec)				
112/2.84	38	55/1.40	1050	105	5,000-7,000	300-450	400	1.5-2	8	8
125/3.18	36	60/1.52	1350	135	5,000-7,000	300-450	400	1.5-2	8	8
155/3.94	34	70/1.78	950	95	5,000-7,000	300-450	450	2-2.5	8	8
250/6.35	32	125/3.18	2000	200	8,000-10,000	500-625	650	2-2.5	8	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)



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