

Digital MAF

Photopolymer Plates



Digital MAF
Photopolymer Printing Plates


150 LINE
133 LINE
120 LINE

2% 25% 50% 90%

.003
.004

14 PT.
12 PT.
8 PT.
6 PT.

Low Dot Gain
Excellent Drape
Quick Imaging Plate
Extremely Low Tack (Dry) Plate

 **MacDermid**
GRAPHICS SOLUTIONS

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.

REPRODUCTION CAPABILITIES

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

PLATE PROCESSING*

It is recommended that Digital MAF be processed with SOLVIT® M100 or SOLVIT QD. Most other safe-solvent solutions may be used.

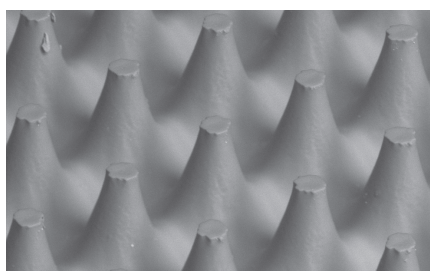
Processing times for any particular job and process are determined by equipment and other factors; consult your MacDermid representative for help in optimizing your plate processing.

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 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	DUROMETER	DESIRED RELIEF	BACK EXPOSURE ¹		FACE EXPOSURE ¹		WASH OUT ²	DRY TIME	POST EXPOSURE ³	DETACK ⁴
(mil/mm)	(Shore A)	(mil/mm)	(mJ/cm ²)	(sec)	(mJ/cm ²)	(min)	(sec)	(hrs)	(min)	(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	125/3.18	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

- Lamp intensity 10.0 mW/cm² (UVA 340 - 380 nm)
- Solvit QD washout times
- Lamp intensity 6.0 mW/cm² (UVA 340 - 380 nm)
- Lamp intensity 10.0 mW/cm² (UVC 220 - 300 nm)



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